

Cotton Petroleum Corporation

A United Energy Resources, Inc. Company

717-17th Street Energy Center One—Suite 2200, Denver, Colorado 80202 (303) 893-2233



October 18, 1979

Edgar W. Guynn
District Engineer
U.S.G.S.
Room 2000
1745 West 1700 South
Salt Lake City, Utah 84101

RE: APD Love Unit #12-1
SW $\frac{1}{4}$, Sec. 12, T 11S, R 21E
Uintah County, Utah

Dear Sir:

Attached is an application for permit to drill for the Love Unit #12-1. The location was staked at 1320' FWL, 1520' FSL, Section 12, but after a physical inspection of the location, it was determined that the location should be moved approximately 125' to the Northwest. The well's location would then be 1230' FWL, 1610' FSL, Section 12.

The location will also be rotated such that the derrick will face North, Northeast.

Sincerely,

A handwritten signature in cursive script, appearing to read 'D. E. Wood'.

D. E. Wood
Division Production Manager

GAG:sb

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.

U-8344

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

Love Unit

8. Farm or Lease Name

N/A

9. Well No.

12-1

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 12, T 11S, R 21E

12. County or Parrish 13. State

Uintah Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

Cotton Petroleum Corporation

3. Address of Operator

717 17th St., Suite 2200, Denver, Colorado 80202

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface

NW-SW

At proposed prod. zone

~~1320~~ Sec. 12, T 11S, R 21E
~~1520~~ FWL, ~~1520~~ FSL *sundry + updated plat following*

14. Distance in miles and direction from nearest town or post office*

18 miles S SE of Ouray, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

1320'

16. No. of acres in lease

2560'

17. No. of acres assigned to this well

640

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

8000'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5692' KB

22. Approx. date work will start*

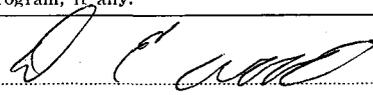
February 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2"	13-3/8"	48#	300'	140 sacks
12-1/4"	8-5/8"	24#	2500'	500 sacks
8-3/4"	4-1/2"	11.6#	8000'	1000 sacks

Drill 8000' Mesaverde test. Drill 17-1/2" surface hole to 300' with native brine water to clean hole, set 13-3/8" casing and cement to surface. Wait on cement 12 hours. Pressure test casing and BOP to 1000 psi before drilling out, test BOP operation daily and record. Drill 12-1/4" hole to 2500' with brine water to clean hole, set 8-5/8" casing with 500 sacks of cement. Wait on cement 12 hours, pressure test casing and BOP to 1000 psi before drilling out. Drill 7-7/8" hole to 8000' with brine water to 6200' and with a polymer brine water from 6200' to 8000'. Mud weight will be 9.4 to 10.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed:  Title: Division Production Manager Date: October 16, 1979

(This space for Federal or State office use)

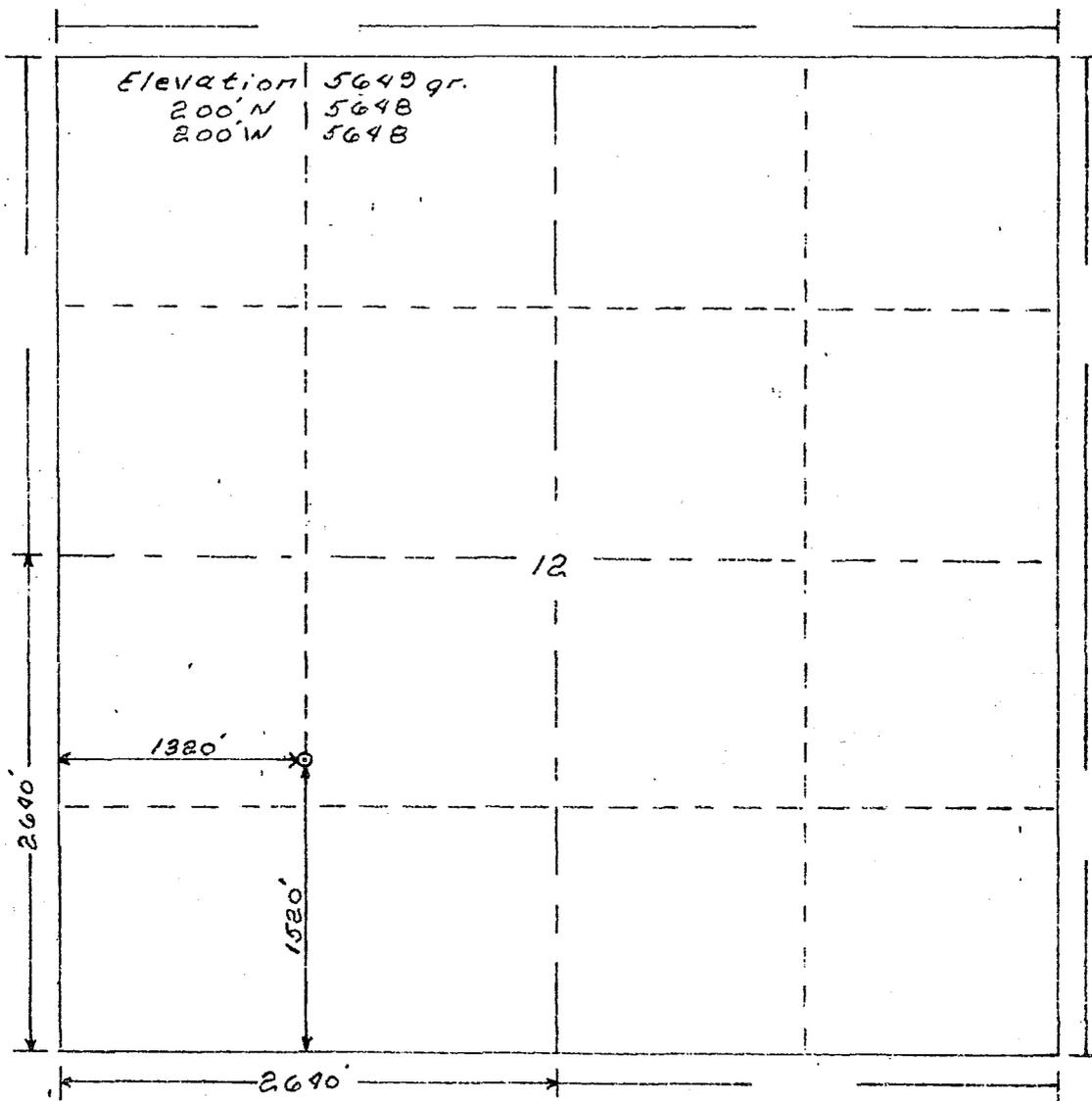
Permit No. Approval Date

Approved by..... Title..... Date.....

Conditions of approval, if any:



R. 21 E



T.
11
S

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from Glenn Garry
 for Cotton Petroleum
 determined the location of #12-1 Love Unit
 to be 1520' F.S.L. & 1320' F.W.L. Section 12 Township 11^S
 Range 21^E Salt Lake Meridian
 Uintah County, Utah

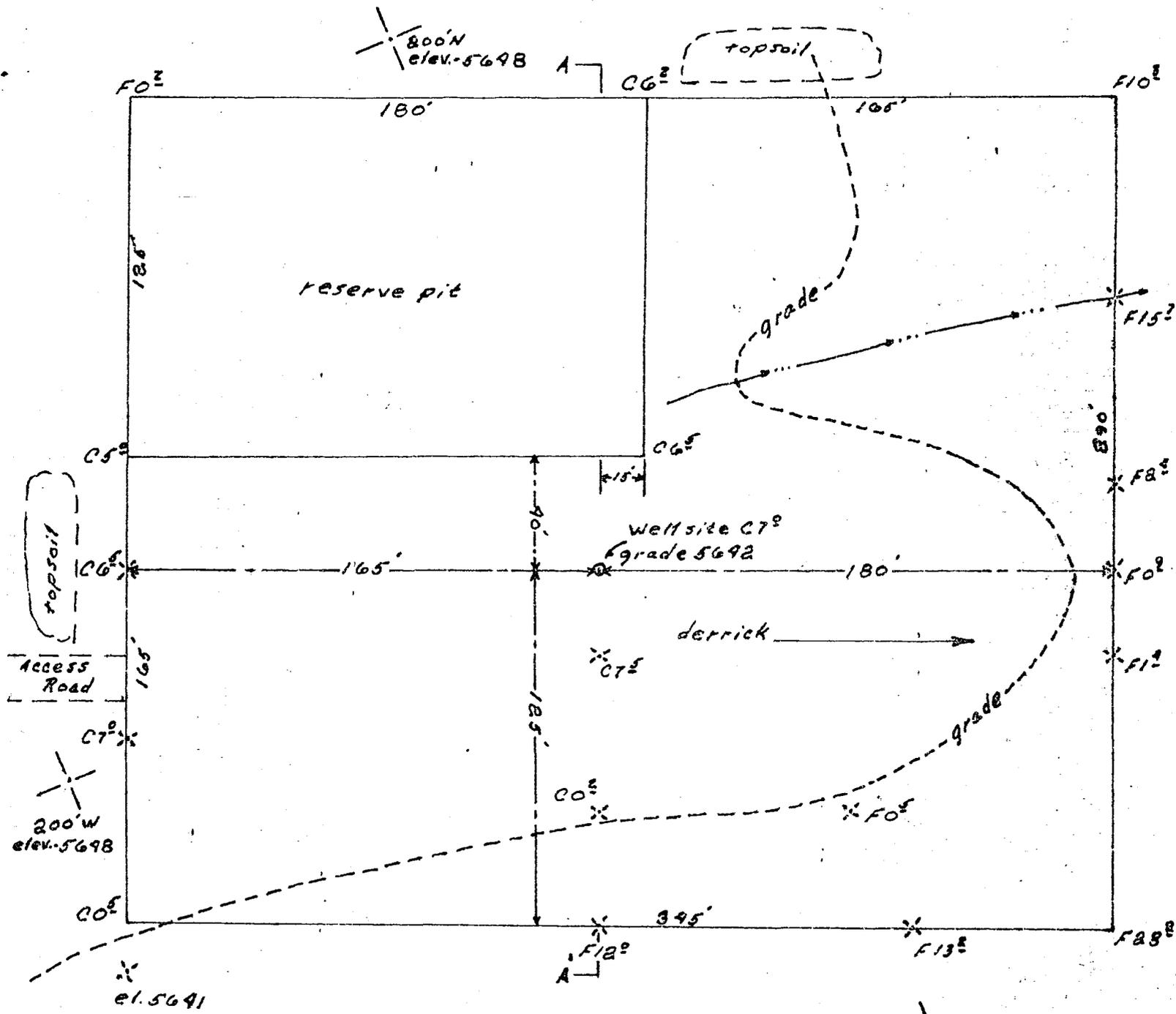
I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of

#12-1 Love Unit

Date: 9-27-79

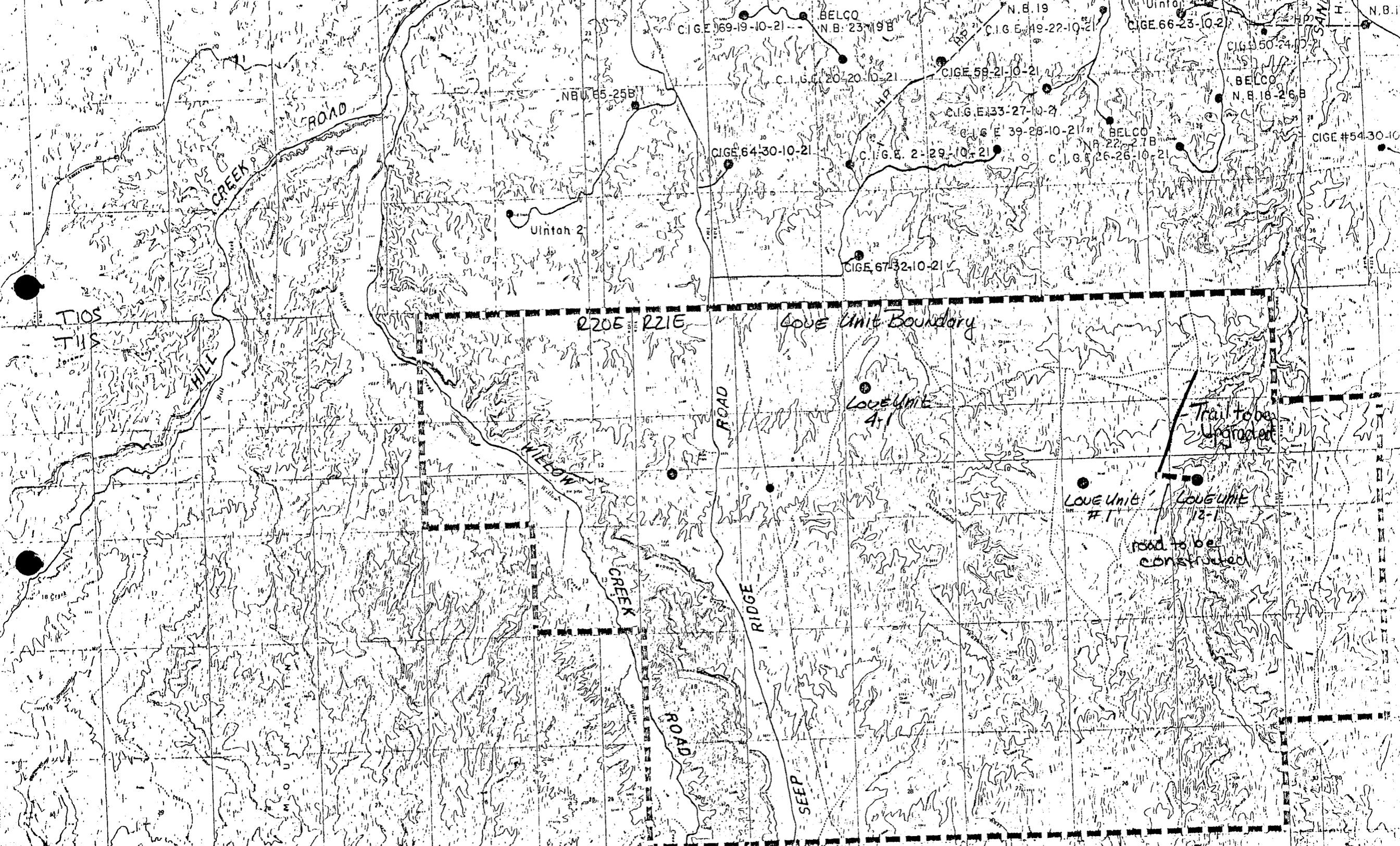
J. Nelson
 Licensed Land Surveyor No. 2717
 State of Utah

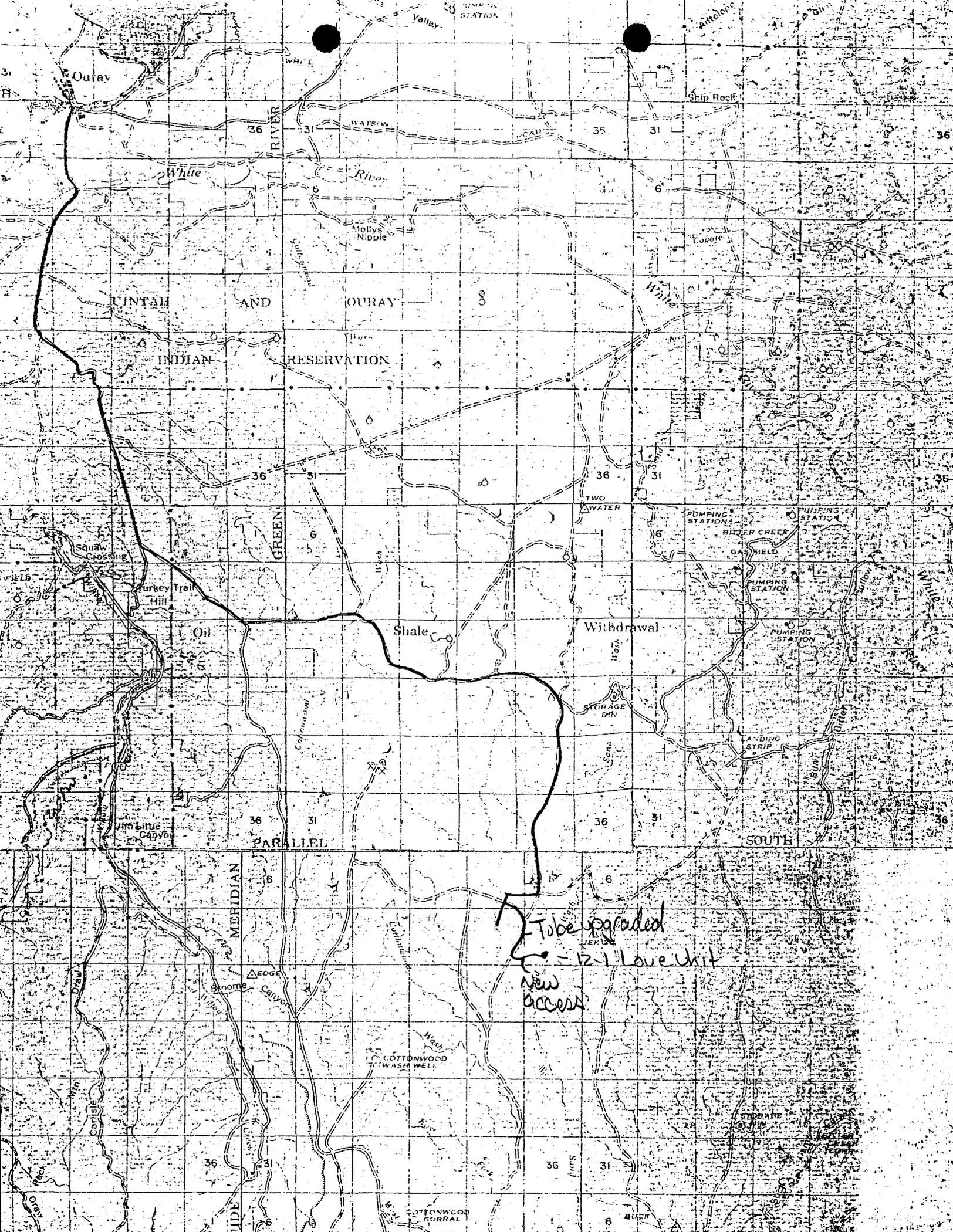
Topographic Map
Scale 1"=50'



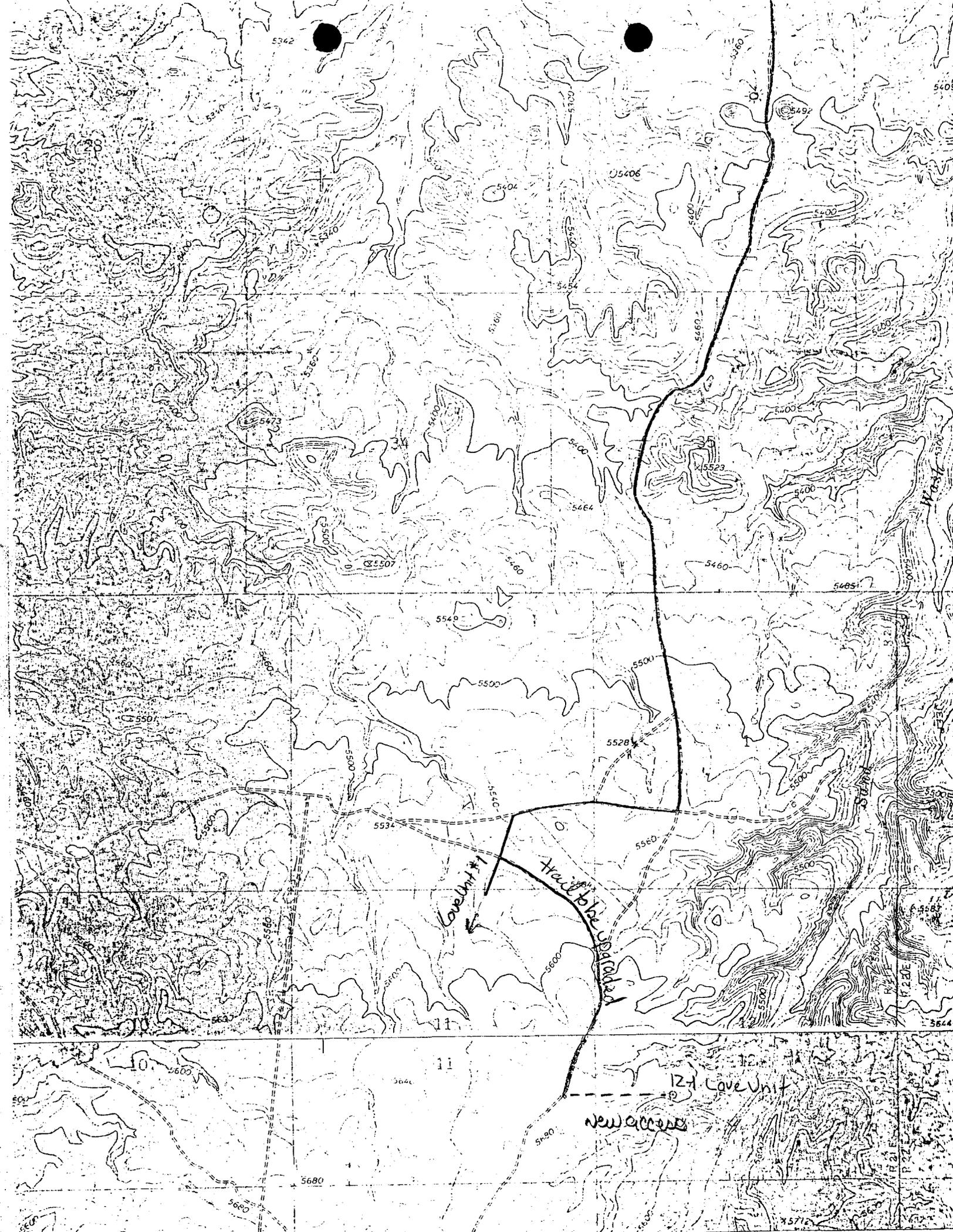
Cotton Petroleum
#12-1 Love Unit
1520' F.S.L. & 1320' F.W.L.
Sec. 12, T11^S R21^E
Uintah Co., Utah

by: Bill Shaw 9-27-79
Powers Elevation





To be upgraded
- 12.1 Love Unit
New access



5342

5406

5400

5500

5500

5528

5534

5560

5600

5600

5600

5640

5680

5680

127 Cave Unit

New access

Cave Unit #1

Trail to be established

West

5500

5500

5500

5500

5570

5640

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-8348

OPERATOR: Cotton Petroleum

WELL NO. 12-1

LOCATION: S₂ 1/2 NE 1/2 SW 1/2 sec. 12, T. 11S, R. 21E, SLM

Uintah County, Utah

1. Stratigraphy:

Uintah	-	surface
Green River	-	2400
Wasatch	-	4100
Mesaverde	-	6200

2. Fresh Water:

possible in Uinta Fm. Brine deeper

3. Leasable Minerals:

oil shale in Green River

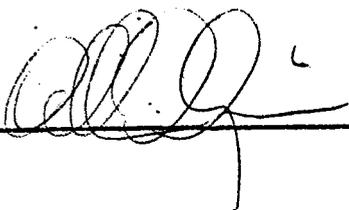
4. Additional Logs Needed:

adequate

5. Potential Geologic Hazards:

slight overpressuring in lower Wasatch Mesaverde Fms.

6. References and Remarks:

Signature: 

Date: 11-18-79

Proposed Action:

On October 25, 1979, Cotton Petroleum Corporation filed an Application for Permit to Drill the No. 12-1 exploratory well, an 8000 foot gas test of the Wasatch and Mesaverde Formations, located at an elevation of 5642 feet in the NW/4 SW/4 Section 12 T11S, R21E on Federal mineral lands and public surface, lease No.U-8348. As an objection was raised to the wellsite by the operator it was moved to 1230' FWL & 1610' FSL. This changed the 1/4 1/4 coordinates to NW/4 SW/4. There was no objection raised to the access road. A Sundry Notice was filed in November describing this proposed move prior to the onsite.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BLM the controlling surface agency. Rehabilitation plans would be decided upon as well neared completion, the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 290 feet wide x 345 feet long with a reserve a pit included in the pad. A new access road would be constructed 16 feet wide x .4 miles long and an existing trail would be upgraded to 16 feet wide by 1.1 miles long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is after February 1, 1980 and duration of drilling activities would be about 42 days.

Location and Natural Setting:

The proposed drillsite is approximately 22.6 miles south-southeast of Ouray, Utah the nearest town. A fair road runs to within 1.5 miles of the location. This well is a wildcat well in the Love Unit.

Topography:

The location is on top of a ridge with steep slopes at the southeast side of the original site. To minimize surface disturbance the proposed move would center the site at the top of the ridge. The access road follows the ridgetop and does not have any steep grades in the 1.5 miles to be built or upgraded before reaching an existing maintained road.

Geology:

The surface geology is tertiary Uinta Formation.

The soil is a sandy clay with sandstone and shale rocks and gravels also present at the surface.

No geologic hazards are known near the drillsite.

Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist and is possible in the sandstone units of the Mesa Verde. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formations to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey Engineers and determined to be adequate.

Soils.

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support abundant sagebrush and related desert shrubs all of generally less than two feet in height.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access road per the recommendations of the Bureau of Land Management.

Approximately 3.1 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8" to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring

runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The location drains to nearby Sand Wash and from there to White River. The White River is a tributary of the Green River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks and spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be lined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Plants in the area are abundant sagebrush and related desert plants all of generally less than two height.

Proposed action would remove about 3.1 acres of vegetation. Removal of vegetation would increase the erosional potential

and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominately of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigation the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operations may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County.

But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Rainbow Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be hauled away at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

1). Not approving the proposed permit -- the oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface

and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2). Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would reduce the environmental impact. There are no severe vegetation, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location as requested by the operator is recommended. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

3). Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- a.) The location is to be moved 127 feet to the northwest as suggested by a Sundry Notice prior to the onsite. This would mitigate disturbance to a steep sidehill southeast of the wellsite and reduce total cut and fill surface disturbance. New coordinates would be 1230 feet FWL and 1610 feet FSL.
- b.) Topsoil would be stockpiled primarily on the west southwest side of the pad almost directly west of the location of the wellsite proposed at the onsite.
- c.) The access road would be constructed 16 feet wide on a 30 foot right-of-way. Any needed drainage ditches would also be constructed on this right-of-way.
- d.) The pits will be lined to alleviate seepage in the porous ground.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 3.1 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would

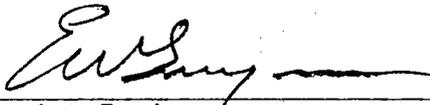
be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the Sand Wash would exist through leaks and spills.

Finding of No Significantly Impact:

"We have considered the proposed Cotton Petroleum Corporation Well 12-1 in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment."

Determination:

"I determine that the proposed action as modified by the recommended approval conditions does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102 (2) (C)."



District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

Date

12/26/79

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 17th St., Suite 2200, Denver, Co. 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1230' FWL, 1610' FSL, Sec. 12
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-8344

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Love Unit

8. FARM OR LEASE NAME
N/A

9. WELL NO.
12-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 12, T 11S, R 21E

12. COUNTY OR PARISH
Utah

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5692'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Lay permanent pipeline	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Permission is requested to lay a permanent gas line approximately 5300' in length from the Love Unit #12-1, located in C SW $\frac{1}{4}$, Sec 12, T 11S, R 21E, to the proposed gas line from the Love Unit #1 well located in C SW $\frac{1}{4}$, Section 11, T 11S, R 21E. This 2" line will operate at 1000 psi and be constructed to Mesa specifications.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED DE. Wood TITLE Division Prod. Mgr DATE October 19, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

** FILE NOTATIONS **

DATE: October 26, 1979

Operator: Cotton Petroleum Corporation

Well No: Howe Unit # 12-1

Location: Sec. 12 T. 11S R. 21E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-047-30638

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: [Signature]

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site

Lease Designation [Red] Unit

Plotted on Map

Approval Letter Written
Wtm

Unit approval

*hl
PI*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 17th St., Suite 2200, Denver, Co. 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1230' FWL, 1610' FSL, Sec. 12
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-8344

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Love Unit

8. FARM OR LEASE NAME
N/A

9. WELL NO.
12-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 12, T 11S, R 21E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5692'

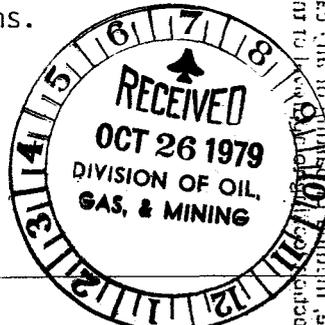
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Lay permanent pipeline	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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Subsurface Safety Valve: Manu. and Type _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED D.E. Wood TITLE Division Prod. Mgr. DATE October 19, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

November 1, 1979

Cotton Petroleum Corporation
717 17th Street, Suite 2200
Denver, Colorado 80202

Re: Well No. Love Unit #4-1, Sec. 4, T. 11S, R. 21E., Uintah County, Utah
Well No. Love Unit #12-1, Sec. 12, T. 11S, R. 21E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas wells is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #444 - 43-047-30640;
#12-1 - 43-047-80638.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b:tm

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 - 17th St., Suite 2200, Denver, CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1610 FSL, 1230 FWL, Sec. 12-
AT TOP PROD. INTERVAL: T11S-R21E
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

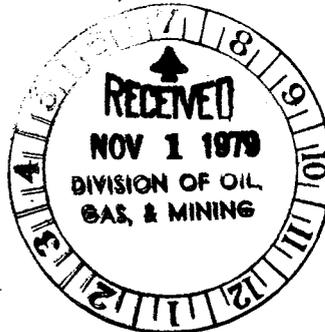
(other) Location Plats

5. LEASE <u>U-8344</u>
6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>N/A</u>
7. UNIT AGREEMENT NAME <u>Love Unit</u>
8. FARM OR LEASE NAME <u>N/A</u>
9. WELL NO. <u>12-1</u>
10. FIELD OR WILDCAT NAME <u>Wildcat</u>
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA <u>Sec. 12 T11S R21E</u>
12. COUNTY OR PARISH <u>Uintah</u>
13. STATE <u>Utah</u>
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD) <u>5649 GR</u>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please find attached correct location plats for the Love Unit 12-1.



Subsurface Safety Valve: Manu. and Type _____

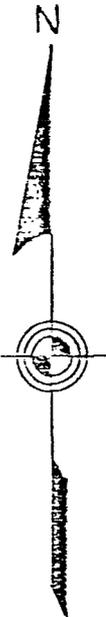
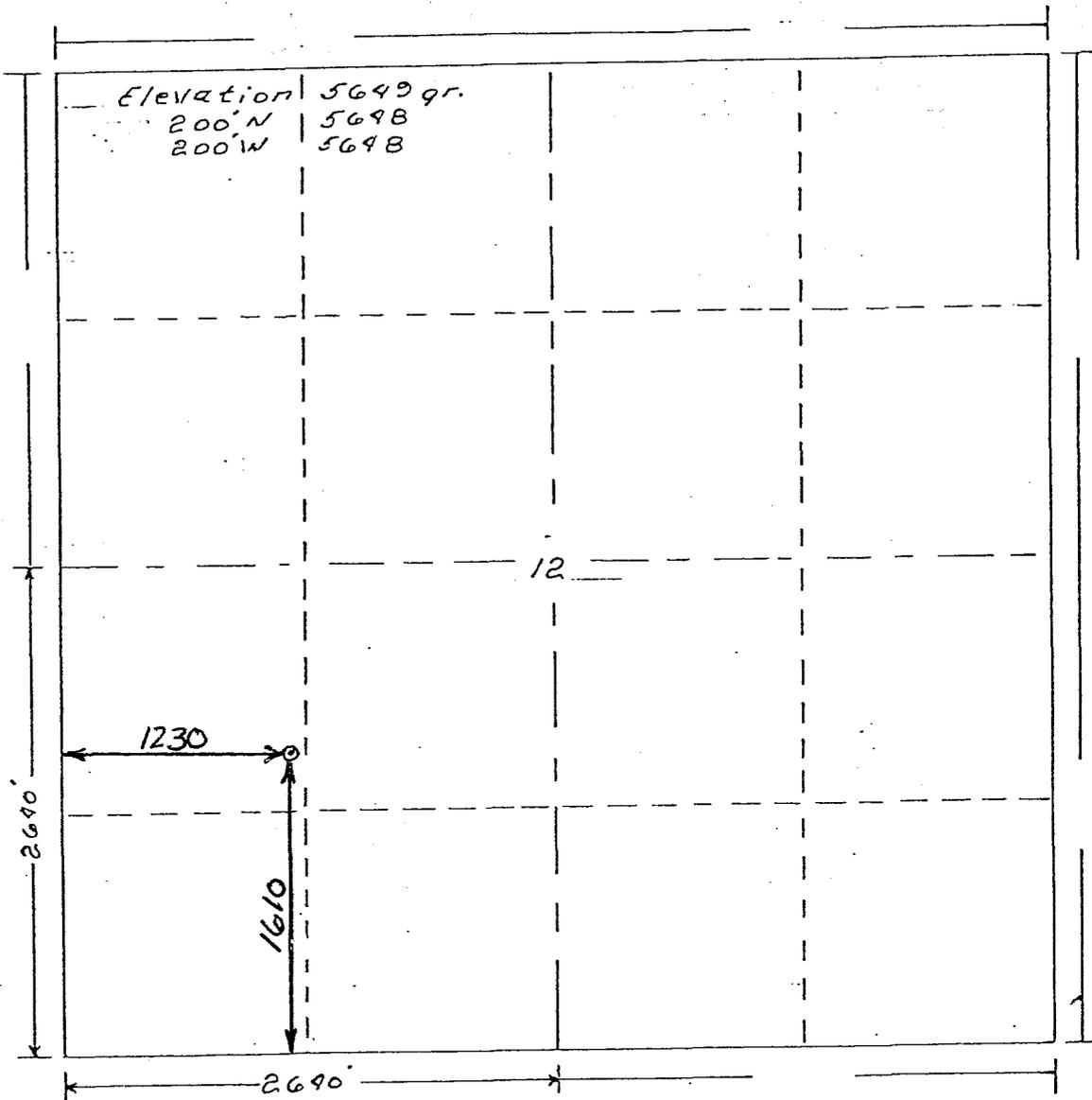
18. I hereby certify that the foregoing is true and correct

SIGNED D.E. Wood TITLE Division Prod. Mgr. DATE 10/29/79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

R. 21 E



T. 11
S. S.

Scale: 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from Glenn Garry
 for Cotton Petroleum
 determined the location of #12-1 Love Unit
 to be 1610' F.S.L. & 1230' F.W.L. Section 12 Township 11^S
 Range 21^E Salt Lake Meridian
Uintah County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
#12-1 Love Unit

Date: 9-27-79

T. Nelson
 Licensed Land Surveyor No. 2711
 State of Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 17th ST., Suite 2200, Denver, Colo. 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1320' FWL, 1520' FSL, C/SW,
AT TOP PROD. INTERVAL: Sec. 12, T 11S, R 21E
AT TOTAL DEPTH:

5. LEASE
U-8344

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Love Unit

8. FARM OR LEASE NAME
N/A

9. WELL NO.
12-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 12, T 11S, R 21E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5692' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Lay permanent gas line	<input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Permission is requested to lay a permanent gas pipeline on the surface approx 5300' in length from the Love Unit #12-1, located in SW $\frac{1}{4}$, Sec. 12-T11S-R21E to the proposed gas pipeline from the Love Unit #1 well, located in the SW $\frac{1}{4}$, Sec. 41-T11S-R21E. The pipeline will be 4" Schedule 40, PEBFW, Grade A, 0.237" wall thickness rated at 2010 psi design pressure limit. The line will be pressure tested to 2400 psi using produced gas from the proposed well. The pipeline will be painted and wrapped for corrosion control, and operate at 1000 psi. The pipeline will be laid on the surface with extremely limited surface disturbance. Any areas where the vegetation has been destroyed will be reseeded as per the BLM requirements. All production facilities will be located on the well pad, i.e. separator, 2 tanks and meter run. The size and type of equipment will be determined after the well is completed and be submitted to the USGS in a sundry notice.

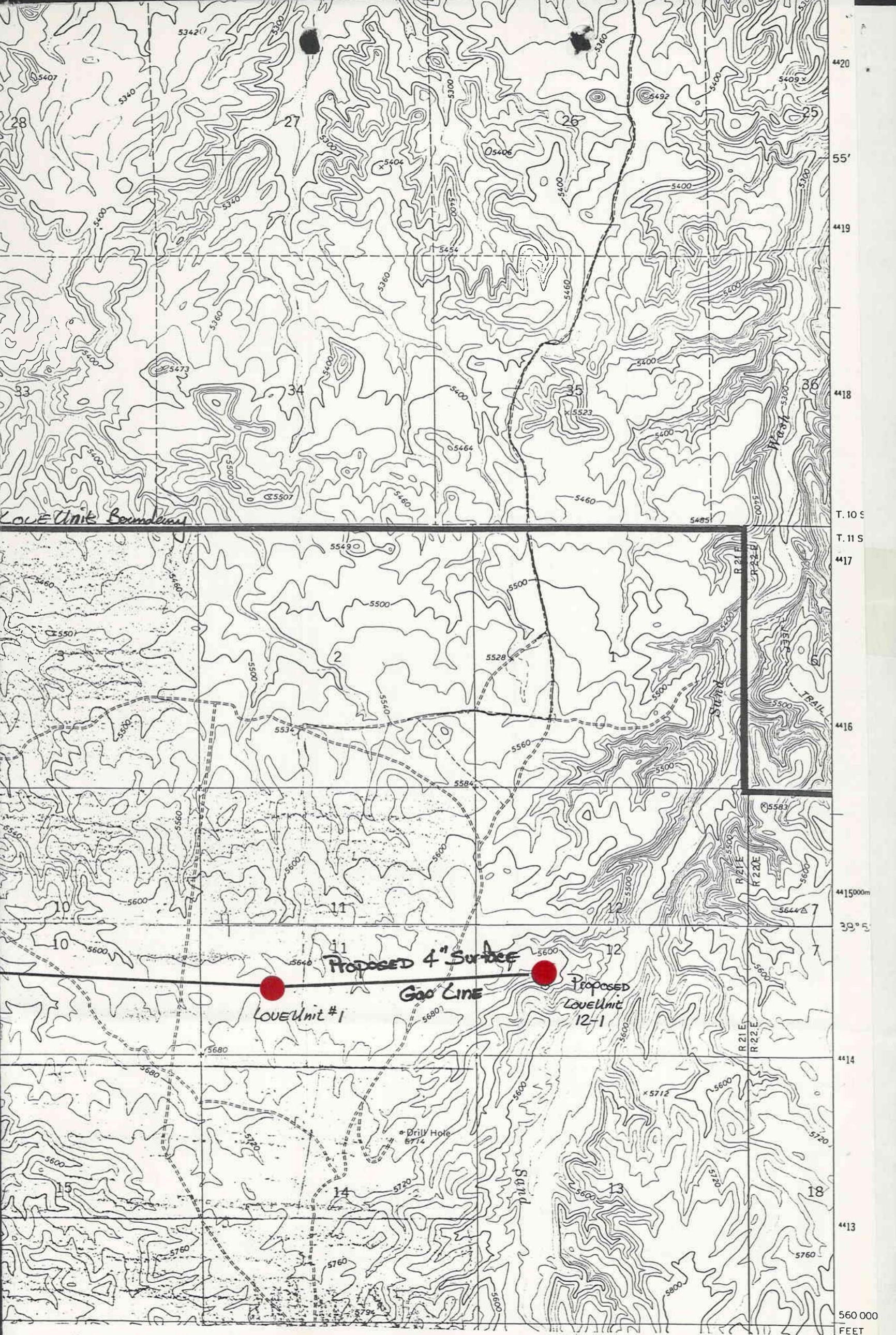
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Division Prod. Mgr DATE November 28, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



T. 10 S

T. 11 S

44°17'

44°16'

44°15'00m

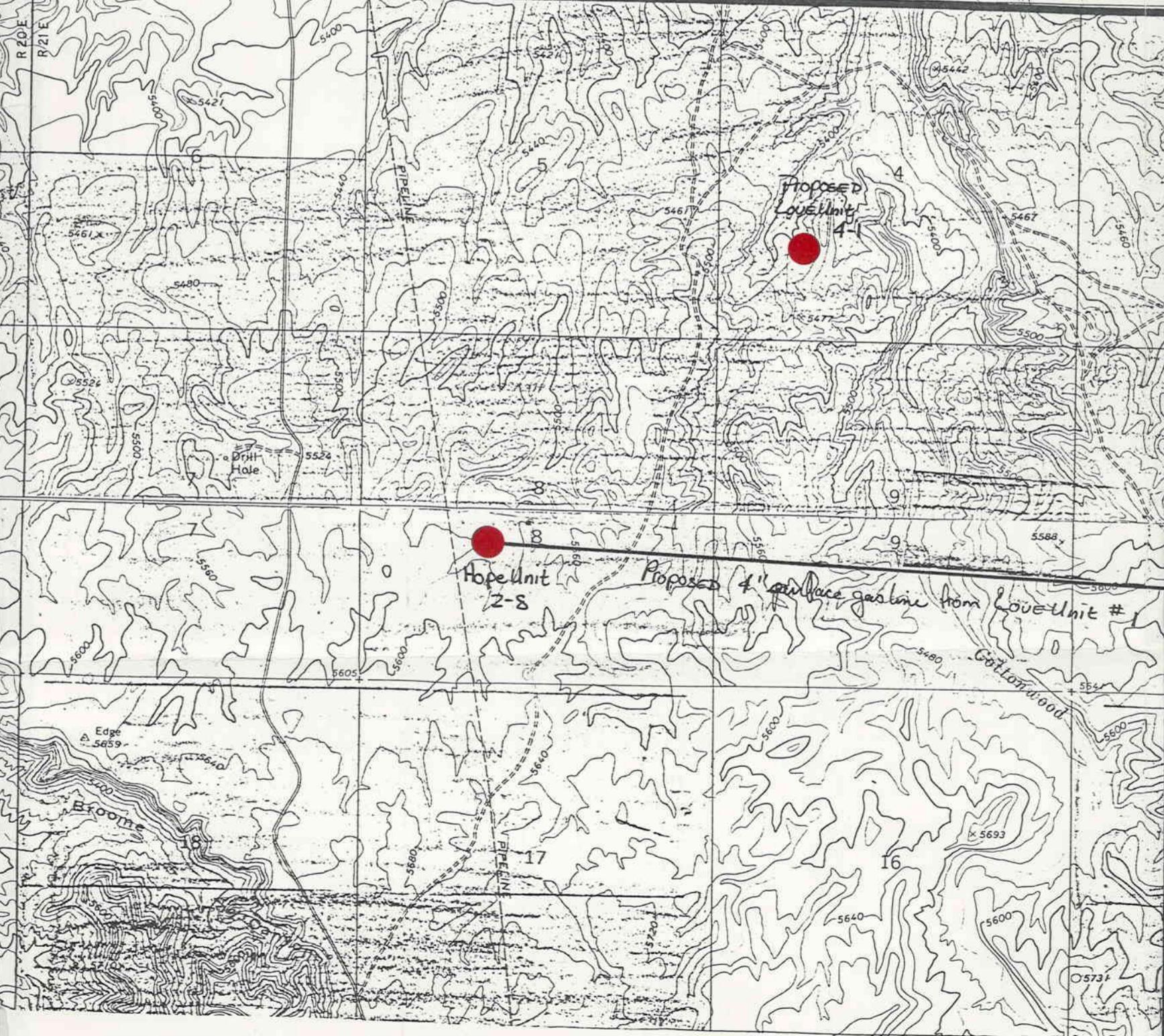
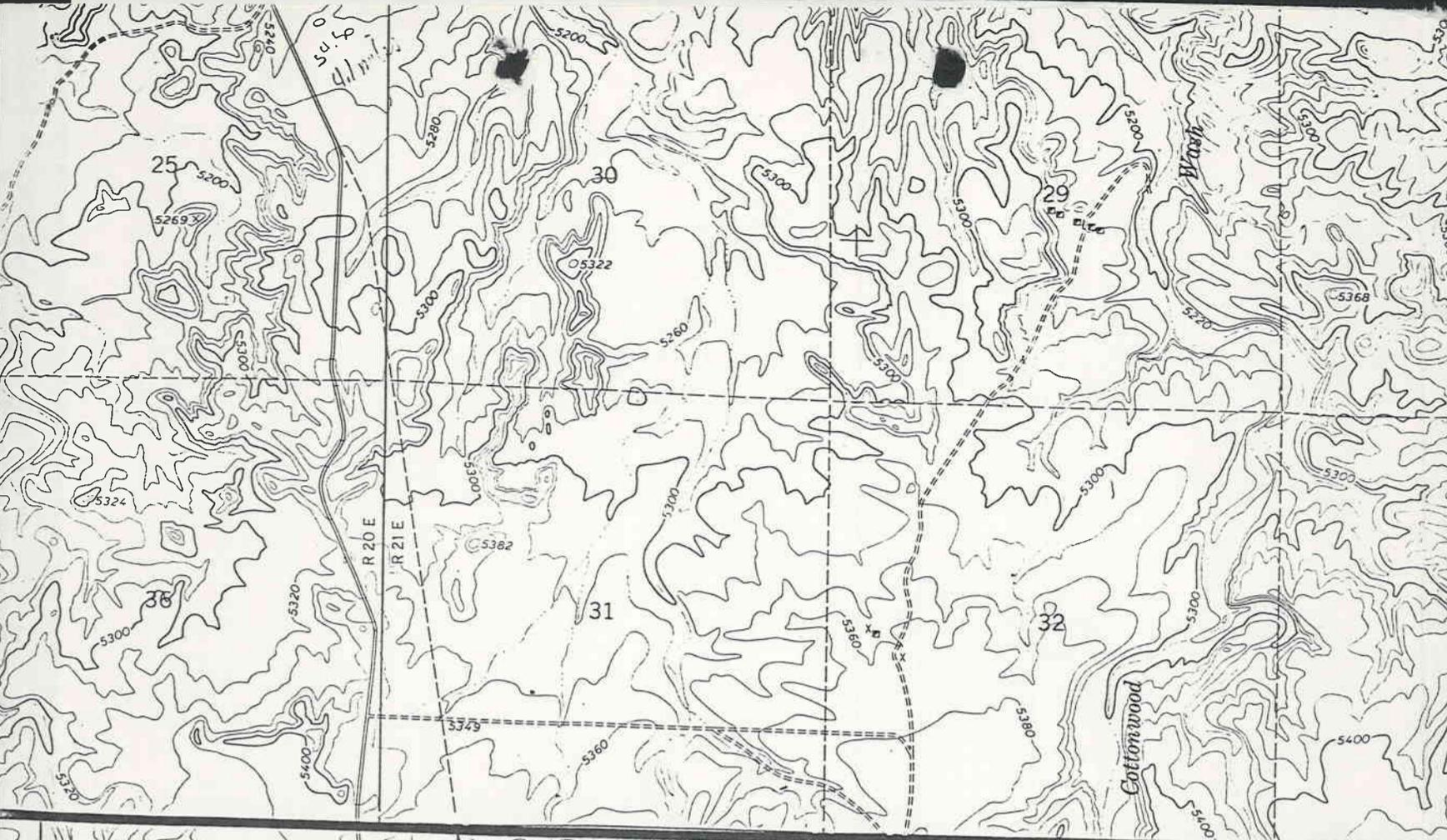
39° 5'

44°14'

44°13'

560 000

FEET



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717 17th Street, Suite 2200, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
C/SW Sec. 12, T 11S, R 21E
1320' FWL, 1520' FSL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
18 miles S SE of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1280'
1320'

16. NO. OF ACRES IN LEASE
2560'

17. NO. OF ACRES ASSIGNED TO THIS WELL
640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
8000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5692' KB

22. APPROX. DATE WORK WILL START*
February 1, 1980

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	300'	140 sacks
12-1/4"	8-5/8"	24#	2500'	500 sacks
8-3/4" 7/8"	4-1/2"	11.6#	8000'	1000 sacks,

Drill 8000' Mesaverde test. Drill 17-1/2" surface hole to 300' with native brine water to clean hole, set 13-3/8" casing and cement to surface. Wait on cement 12 hours. Pressure test casing and BOP to 1000 psi before drilling out, test BOP operation daily and record. Drill 12-1/4" hole to 2500' with brine water to clean hole, set 8-5/8" casing with 500 sacks of cement. Wait on cement 12 hours, pressure test casing and BOP to 1000 psi before drilling out. Drill 7-7/8" hole to 8000' with brine water to 6200' and with a polymer brine water from 6200' to 8000'. Mud weight will be 9.4 to 10.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

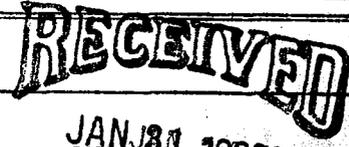
24. SIGNED [Signature] TITLE Division Production Manager DATE October 16, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (ORIG. SGD.) R. A. HENRICKS TITLE ACTING DISTRICT ENGINEER DATE JAN 31 1980

CONDITIONS OF APPROVAL, IF ANY:



NOTICE OF APPROVAL

Utah State Oil & Gas

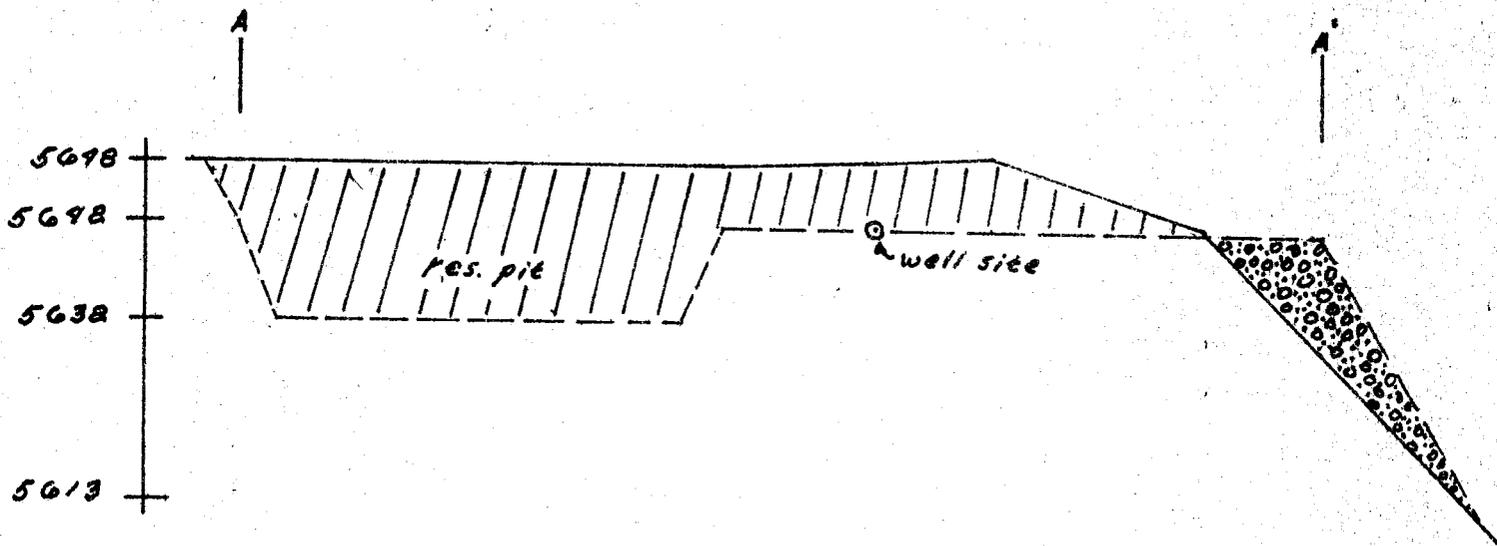
*See Instructions on Reverse Side
 1588 West North Temple
 Salt Lake City, Utah 84116

STATE OF UTAH
 DIVISION OF OIL, GAS, AND MINING
 GAS & SUB-MINING
 DATED 1/1/80

Cross Section

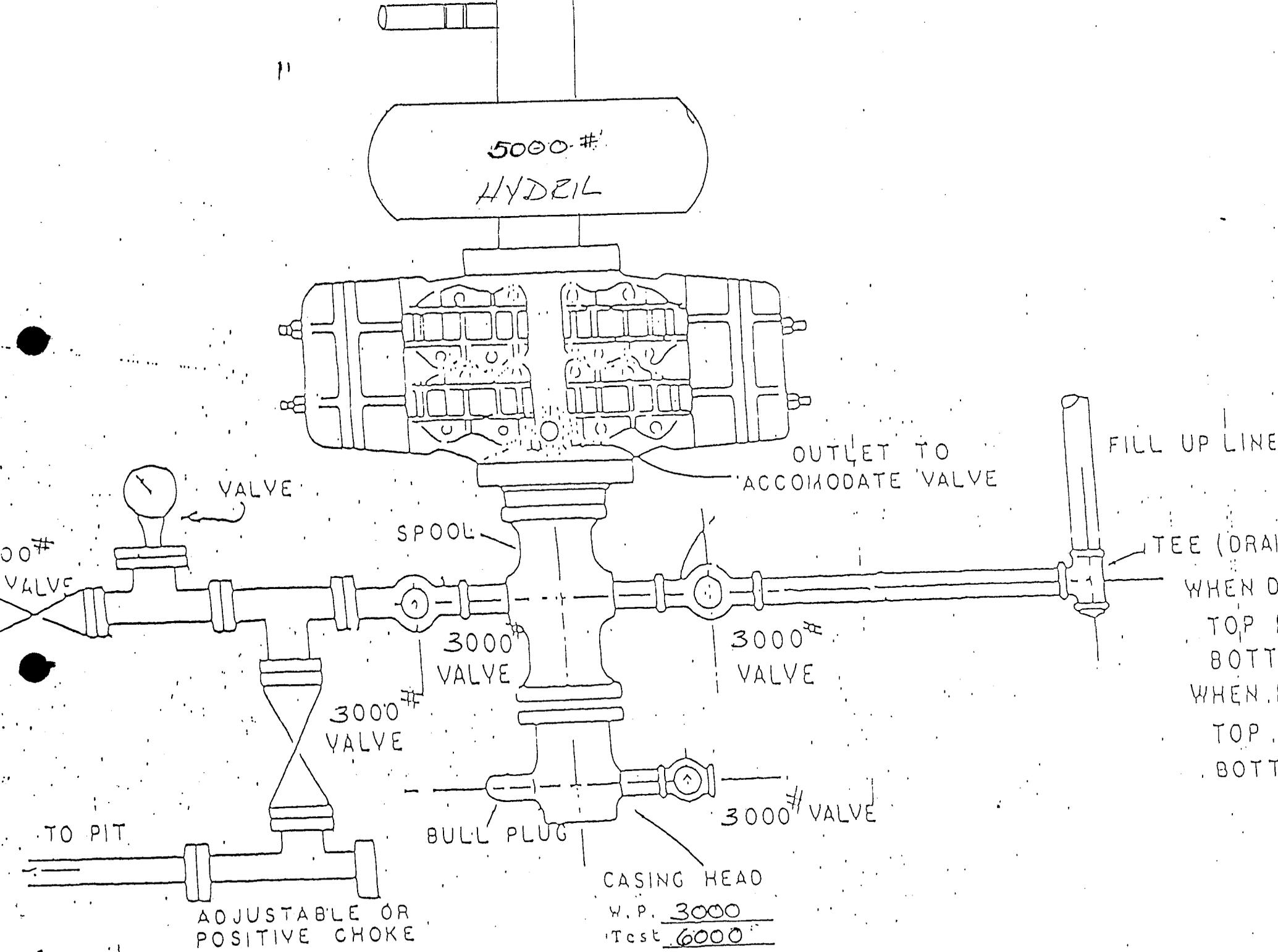
Scale
Horiz. 1"=50'
Vert. 1"=20'

Legend
—— orig. surface
--- grade
||||| cut
••••• Fill



Cotton Petroleum
#12-1 Love Unit
1520' F.S.L. #1320' F.W.L.
Sec. 12 T11S R21E
Uintah Co., Utah

by: Bill Guse 9-27-79
Powers Elevation



NOTES

WHEN DRILLING USE
 TOP PREVENTER - DRILL PIPE RAMPS
 BOTTOM PREVENTER - BLIND RAMPS
 WHEN RUNNING CASING USE,
 TOP PREVENTER - CASING RAMPS
 BOTTOM PREVENTER - BLIND RAMPS

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Cotton Petroleum Corporation

WELL NAME: Love Unit #12-1

SECTION 12 NW SW TOWNSHIP 11S RANGE 21E COUNTY Uintah

DRILLING CONTRACTOR CRG Colorado Well Service

RIG # 99

SPUDDED: DATE March 12, 1980

TIME 11:00 a.m.

How rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY Susie Blount

TELEPHONE #

DATE March 13, 1980

SIGNED Original Signed By M. T. Minder

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.
Budget Bureau No. 4-1035.6

12

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESEVR. Other _____

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
717-17th Street, Suite 2200, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1230' FWL, 1610' FSL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.

U-8348

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Love Unit

8. FARM OR LEASE NAME

9. WELL NO.

12-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 12-11S-21E

14. PERMIT NO. DATE ISSUED

43-047-30638 | 1-30-80

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

15. DATE SPUNDED 3-12-80 16. DATE T.D. REACHED 4-17-80 17. DATE COMPL. (Ready to prod.) 5-20-80 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5642 GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8000' 21. PLUG, BACK T.D., MD & TVD 7955' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 0-TD 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Wasatch 6240'-6269'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL/GR FDC/CNL/GR

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5#	342'	17 1/2"	cement to surface	0
8 5/8"	24#	2528'	12 1/4"	350 sxs Class "H"	0
4 1/2"	11.6# & 10.5#	8000'	7 7/8"	2100 sxs 50/50 Poz	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6161'	6147'

31. PERFORATION RECORD (Interval, size and number)

6240-50', 6256-69' 2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6240-6269	101,000 gals Gel wtr, 103,350# 20/40 sd.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
5-20-80		Flowing					Producing	
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
5-25-80	24	15/64	→	13	1812	28 BLW	139,000	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
1500	0	→	13	1812	28	55°		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
D. Meecham

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Division Production Manager DATE 5-28-80

ACTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom (s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP		BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
	6234'	6568'			NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Wasatch			6272'	Hydrocarbon		
Mesaverde			6618'	"	Wasatch	3942'
					Mesaverde	6568'

WORKOVER

✓WRU 15-9

Utah Rental Tool Co

(4-3-80) Hot oil services pumped 30 BBLs hot lease down tbg, Utah Rental tool pulled tubing found split in 161 joint, pulled rest of tubing. Run tubing back in hole, set anchor at 20,000#, run rods. Start pumping at 6:00 P.M..

Tubing Detail

1 Joint
SN
2 Joints
Tubing Anchor
171 2 7/8" Joints

5,264 Feet

Rod Detail

1" 10
3/4" - 75
7/8 -125
1 - 1" X 8"
1 - 1" X 6"
1 1/4 X 22 Polish Rod
1 1/2 X 12 Liner

F-19 2 1/2 x 1 1/2 x 12 x 14 THD

F-1 2 1/2 x 1 1/2 x 12 x 16 THD

Cost to date \$2250.00

OUTSIDE OPERATED

✓Cotton Petro.

Love Unit 12-1
8000' Mesaverde
Uintah Co, Utah
CPC \$828,800

(4-2-80) Depth 4964', 0', dat 21, hole cond good, no drag on trps, md 9.3, vis 39, wt 13, fc 2/32, pit 8.5. Bit 6 smith 7 7/8 F45 in @ 4083, out @ 4964', cut 881' i 93 3/4 hrs. RIH w/bit #6 Smith 7 7/8 F-45 in @4966'. WOB 40000, RPM 55, PP 900, SPM 45. Drl lost 150# pp, pull 48 stds, found hole in 48th^ostd under tool jt. POH, changed bit, TIH, bit plugged, unable to work lose, POH, bit sb stopped up w/ sh & silt. Cleaned bit sb & TIH, bit @ 3000'. Pres oper: TIH 20 1/2 hrs, trpng, rig repr 2 1/2, rig serv l. NS. CUM \$186,121

(4-3-80) Depth 5212', sd & sh, 248', 22 days, hole cond good, no drag on trip, drlg 12.88 RPH. Md 9.4, VIS 40, wl 12, fc 2/32, PH 8. Bit #6 Smith 7 7/8 F-45 in @4964', made 248' in 19 3/4 hrs. WOB 40000, RPM 55-60, pp on pump #2-950, SPM 45. Drlng 19 1/4 hrs. Trip 2-3 rig serv & rig repr 5/8, wash & cln to btm 1/2, circ 3/4 NS. CUM \$193,011

OPERATIONS

CWU TOTAL

3787 MCF, 30 wells on, LP-493
3814 MCF, 29 wells on, LP-492
3408 MCF, 27 wells on, LP-492
3653 MCF, 27 wells on, LP-492

NBU TOTAL

15,419 MCF, 39 wells on, 2 Belco Prob, 3 HiLine PSI
Meter Stations #101 LP-640, NBU 4-35B LP-729
#106 LP-640, #110 LP-640
#109 Lp-640, NBU 29-5B Lp-660
13072 MCFD, 38 wells on, 6 CIG prob.
14621 MCFD, 40 wells on, 2 Belco prob, 4 CIG prob.
16146 MCFD, 41 wells on, 1 Belco prob, 4 CIG prob.
Meter stations #101 LP-640, NBU 4-35B LP-711
#106 LP-640 NBU 29-5B LP-660
#109 LP-640, #110 LP-640

OUTSIDE OPERATED

LOVE UNIT 12-1
Natural Buttes Field
Uintah County, Utah
8000' Mesaverde
Cotton Petroleum Corp
Belco WIAPO 33.33%

(DW-GAS)

TP-100 psi, pkr @ 6265'. RU Western, spot 150 gal of 15% HCL over perfs @ 6240'-6250', 6256'-6269', pull & LD 10 jts 2 3/8" tbg, set pkr @ 5945', press back side to 1000 psi, press lines to 8000, RU pop off on annulus, set pop off @ 1500 psi, acidize Wasatch fm as follows: Pump 20,000 scf nitrogen pad, pump 5000 gas 15% HCL acid w/750 scf nitrogen per bbl & flush press when acid on fm 4300 psi, increasing to 4600 psi, used 70 Ball sealers, space throughout acid, did not ball out, max treat press 4600#, avg 4000#, ISIP 3300# 5 min, 2700#, AIJR 3.5 BPM, job complete @ 9:30 a.m. 5-6-80. SWI, RD Western, RU to pits, flow well 2 hrs, rec approx 50 BAW, RU swb, Swab well in 6 runs, 1st run FL @ 2700', swabbed total of 3 runs to 5980', last 2 pulls well flowed to pit 1 hr, FL @ 5200 psi. Pull fr 5980 pkr, put orifice tester flow line, well making 69 MCF on 1/2" orifice, left orifice on flow line overnight (14 hrs) This a.m.: Well flowing to pit ARO approx 231 MCF. TP-150. Making slight spray of wtr, will put through sep & test.

October 30, 1980

Cotton Petroleum Corp.
717 17th St., Suite #2200
Denver, Colo. 80202

RE: Well No. Love Unit #12-1
Sec. 12, T. 11S, R. 21E,
Uintah County, Utah
June 1980 thru October 1980

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the month (s) indicated above on the subject well(s).

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Debbie Beauregard
DEBBIE BEAUREGARD
CLERK-TYPIST

U-A

April 27, 1981

Cotton Petroleum Corporation
717 17th Street, Suite 2200
Denver, Colorado 80202

Re: DELETED ATTACHED SHEET ON WELLS DUR

Gentlemen:

Our records indicate that you have not filed the Monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16th) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on WELLS", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



SANDY BATES
CLERK-TYPIST

ATTACHED SHEET ON WELLS DUE

1. Well No. Love Unit #A1-18
Sec. 10, T. 11S. R. 22E.
Uintah County, Utah
(February 1981- April 1981)

2. Well No. Love Unit #B1-10
Sec. 10, T. 11S. R. 21E.
Uintah County, Utah
(February 1981-April 1981)

3. Well No. Love Unit #12-1
Sec. 12, T. 11S. R. 21E.
Uintah County, Utah
(November 1980- April 1981)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Apache Corporation

3. ADDRESS OF OPERATOR
1700 Lincoln, #4900, Denver, CO 80203-4549

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1610' FSL 1230' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE 020924
U-8348

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Love Unit

9. WELL NO.
1-12

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 12 T11S R21E

12. COUNTY OR PARISH | 13. STATE
Uintah | Utah

14. API NO.
43-047-30638

15. ELEVATIONS (SHOW DF, KDB, AND WD)

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Change of Operator	<input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion or some change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change of Operator from Cotton Petroleum Corporation to
Apache Corporation, effective November 1, 1986.

RECEIVED
JAN 05 1987

Subsurface Safety Valve: Manu. and Type _____ DIVISION OF OIL, GAS & MINING Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Mertz TITLE Land Manager DATE January 30, 1987

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

February 3, 1987

U. S. Department of the Interior
Bureau of Land Management
324 South State, Suite 301
Salt Lake City, Utah 84111-2303

Attention: Roland G. Robison
State Director

RECEIVED
FEB.
JAN 05 1987

DIVISION OF
OIL, GAS & MINING

Re: Sundry Notices - Change of Operator

Gentlemen:

Enclosed in quadruplicate, are Sundry Notices indicating a Change of Operator from Cotton Petroleum Corporation to Apache Corporation, effective November 1, 1986, regarding the following wells:

#1-11 Love Unit
#4-1 Love Unit
#B2-3 Love Unit
#B-10 Love Unit
#A-18 Love Unit
#1-12 Love Unit
#1-10 Duncan Federal
#1-3 Lafkas Federal
#1-26 Barton Federal
#1-22 Pete's Wash Unit
#1-10 Hill Federal

Upon approval by the Bureau of Land Management, please furnish us a copy of the approved form.

Thank you for your consideration.

Yours very truly,

Apache Corporation

Sally A. Woodruff
Sally A. Woodruff
Contract Landman

SAW/es

Enclosures

cc: State-Utah, Div. of Oil, Gas & Mining ✓
(w/enclosures)

Merle (Vern) St. Lands

N5040 Apache Corporation

*
PEN 1366 - MAY 1988
INVALID COMMAND

ENTER COMMAND >DIS		WLCOV-ID	TWP	RNG	SECT	API	STAT	FM	SURVEY	QTR	NAME	PEN
	1	S110	E210	1	4304731068	PPA	S	SWSW	BROKEN ARROWS	FEDERAL #1	99998	
PGW	2	S110	E210	3	4304730766	PGW WSTC	S	SWSW	LOVE UNIT B2-3		1366	
PGW	3	S110	E210	4	4304730640	PGW WSTC	S	NWSW	LOVE UNIT 4-1		1366	
	4	S110	E210	7	4304730148	SSW WSTC	S	NWNE	NATURAL 1-7		6129	
	5	S110	E210	8	4304730189	PA MYRD	S	NESW	HOPE UNIT 2-8		10150	
PGW	6	S110	E210	10	4304730709	PGW WSTC	S	SESW	LOVE UNIT B1-10		1366	
PGW	7	S110	E210	11	4304730617	PGW MYRD	S	NESW	LOVE UNIT #1		1366	
	8	S110	E210	11	4304730327	PPA	S	SENW	FEDERAL FAITH #1		99998	
PGW	9	S110	E210	12	4304730838	PGW WSTC	S	NWSW	LOVE UNIT 1-12		8015	

No 290

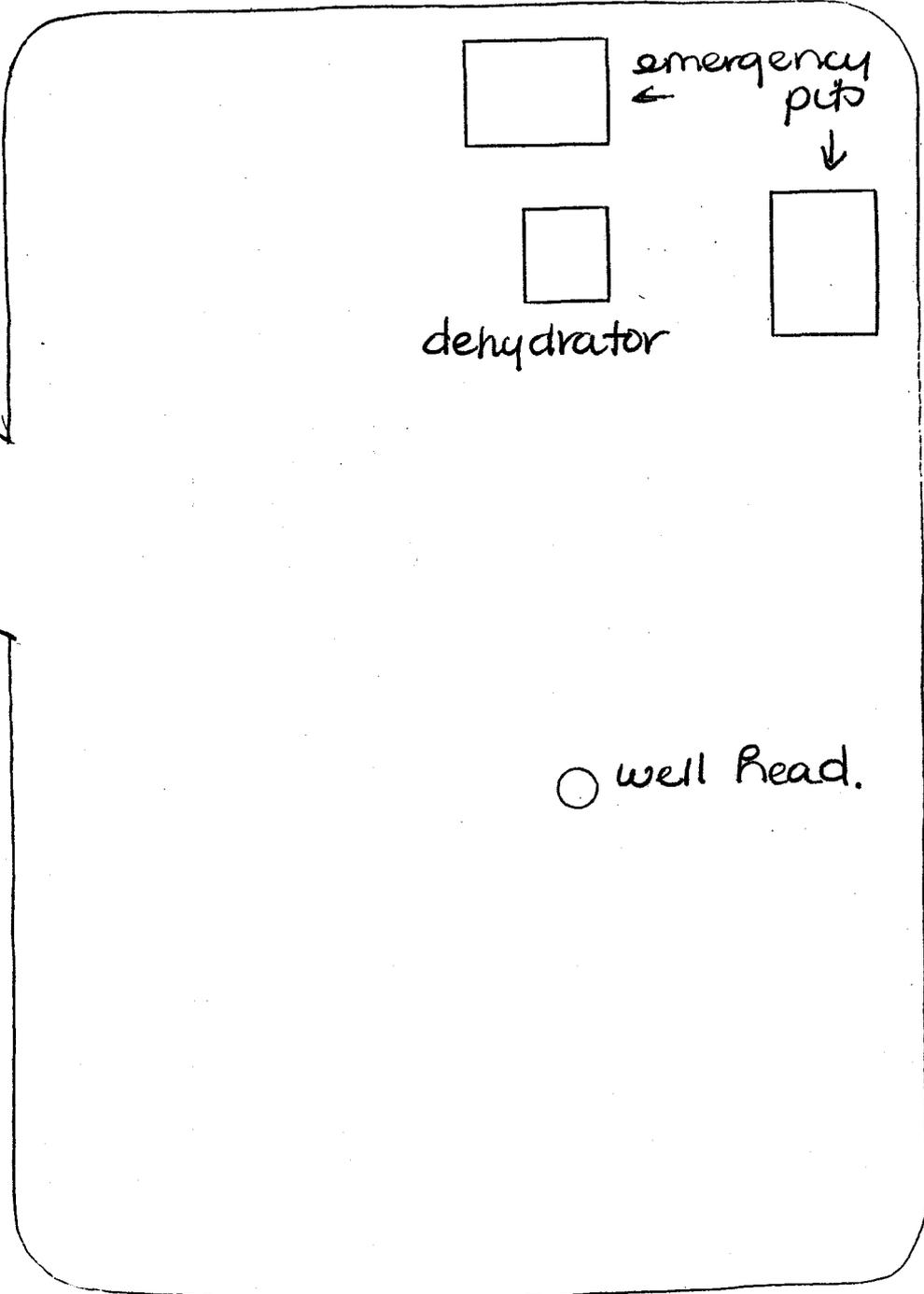
ENTER COMMAND >
*AUTOPRINT NO

6/3/88 Entity chg. from 8015 to 1366.
Well is in the Love Unit / wstc formation, same participating
area, Review requested as per State Lands (Vern).

J. Romero

Love U #1-12 sec 12, T115', R21E @Hubly 12/8/88

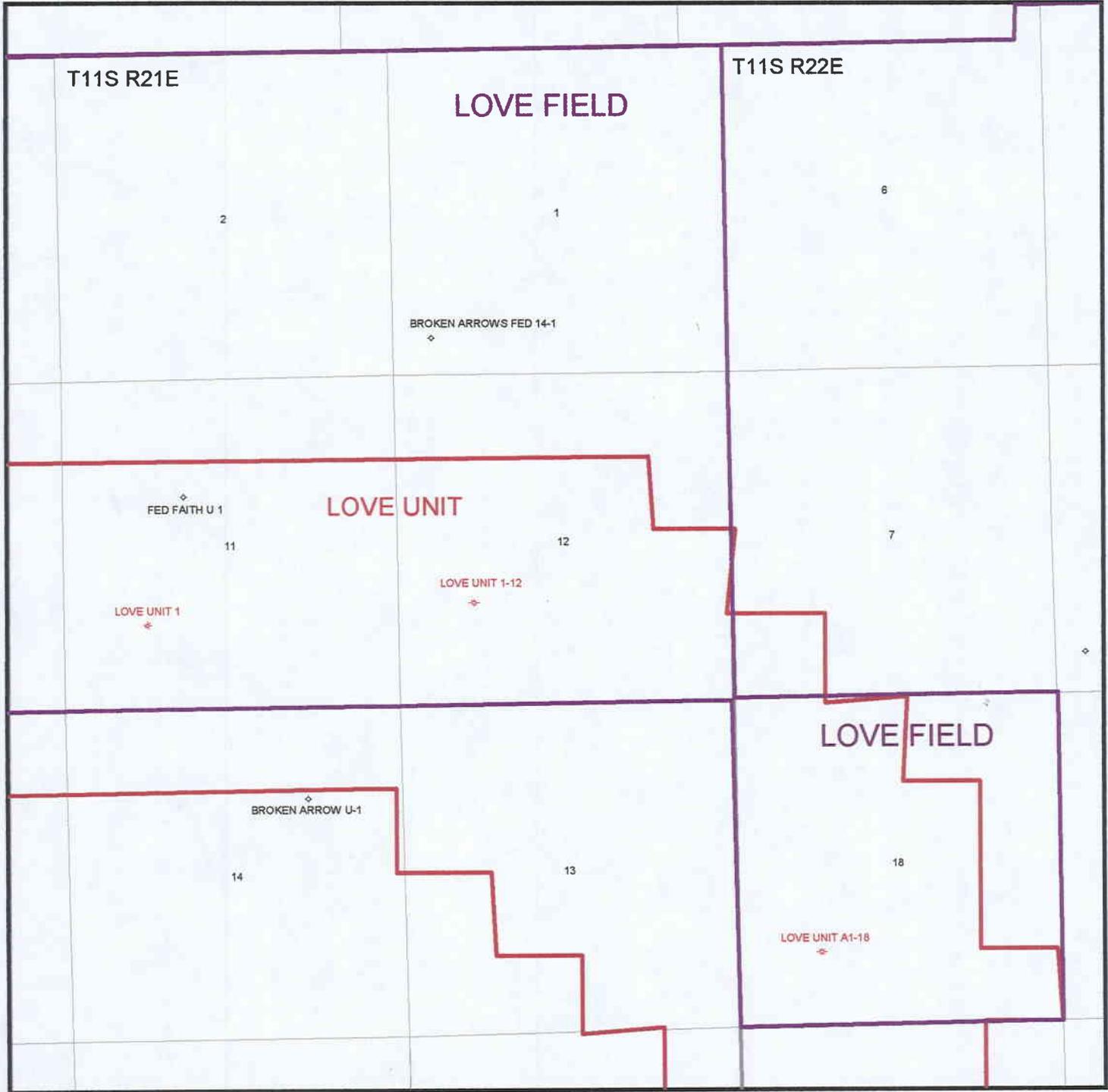
IV ↗



○ well head.



OPERATOR: COASTAL O&G CORP (N0230)
SEC. 12, T11S, R21E
FIELD: LOVE (622)
COUNTY: UINTAH UNIT: LOVE
SPACING: R649-3-3/EX LOC



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-8348
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME N/A
2. NAME OF OPERATOR Apache Corporation		8. FARM OR LEASE NAME Love Unit
3. ADDRESS OF OPERATOR 1700 Lincoln, Ste. 1900, Denver, CO 80203-4519		9. WELL NO. 1-12.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1610' FSL, 1230' FWL		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12-T11S-R21E
14. PERMIT NO. 43-047-30038	15. ELEVATIONS (Show whether OF, RT, OR, etc.) 5692' KB	12. COUNTY OR PARISH Uintah
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above captioned well has been shut-in more than 30 consecutive days due to lack of gas market.

OIL AND GAS	
DRN	DRP
JRB	CLH
DTS	SLS
1-TAS	
2- MICROFILM	
3- FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED Carolyn P. Hepp TITLE Engineering Technician DATE 1/3/90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

U-8348

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

Love Unit

9. Well Name and Number

Love Unit 1-12

10. API Well Number

43-047-30638

11. Field and Pool, or Wildcat

Love

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well

- Oil Well Gas Well Other (specify)

2. Name of Operator

Apache Corporation

3. Address of Operator

1700 Lincoln, Ste. 1900, Denver, CO

4. Telephone Number

303/837-5000

5. Location of Well

Footage : 1610' FSL, 1230' FWL
QQ, Sec, T., R., M. : C/SW Sec. 12-11S-21E

County : Uintah

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above captioned well is currently shut-in due to lack of gas market. No future plans except for routine lease maintenance are anticipated for this well.

RECEIVED

FEB 19 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

Carolyn D. Hepp

Carolyn D. Hepp

Title

Sr. Engr. Tech.

Date

2/14/92

(State Use Only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number U-8348
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement Love Unit
9. Well Name and Number Love Unit 1-12
10. API Well Number 43-047-30638
11. Field and Pool, or Wildcat Love

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator Apache Corporation	
3. Address of Operator 1700 Lincoln, Ste. 1900, Denver, CO	4. Telephone Number 303/837-5000
5. Location of Well Footage : 1610' FSL, 1230' FWL County : Uintah QQ, Sec. T., R., M. : Sec. 12-T11S-R21E State : UTAH	

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Apache Corporation sold its interest in the subject well to:

Phoenix Hydrocarbons, Inc.
P.O. Box 2802
Midland, Texas 79702

BLM Bond Number: B-01258 (Planet Indemnity Co.)

Effective January 1, 1992.

RECEIVED

JUL 20 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

Alex Nash, Jr.

Alex Nash, Jr. Title Engineering Mgr. Date

4-10-92

(State Use Only)

Phoenix Hydrocarbons Operating Corp.

September 22, 1992

State of Utah
Division Of Oil, Gas & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

RECEIVED
SEP 25 1992

Attention: Lisha Romero

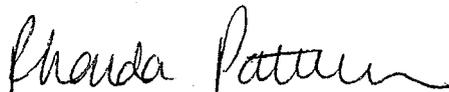
RE: Sundry Notices
Apache Acquisition/Coors Energy Acquisition

Dear Lisha:

Enclosed you will find Sundry Notices for the above mentioned wells which Phoenix Hydrocarbons has recently acquired. If you should have any questions or require additional information please call.

I did talk with Sally at the BLM-Vernal Office and she informed she did have the proper paper work (since August 1991) and would have them approved today (from Phoenix Hydrocarbons Inc. to Phoenix Hydrocarbons Operating Corp.). so keep your fingers crossed that you will have the approval soon.

Sincerely,



Rhonda Patterson

/rgp
Enclosures

Phoenix Hydrocarbons Operating Corp.

Be advised that Phoenix Hydrocarbons Operating Corp. is considered to be the operator of the following wells:

Federal 2-10HB
Lafkas 1-3
State 14-16
Love Unit Wells

and is responsible under the terms and conditions of the leases for the operations conducted on the leased lands.

Bond coverage for these wells is provided by Bond No. B01258 (Principal Planet Indemnity) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibly are met.

RECEIVED

SEP 25 1992

DIVISION OF
OIL, GAS & MINING

June 1, 1993

Phoenix Hydrocarbons Operating Corp.
415 W. Wall, Suite 703
Midland, Texas 79701

RE: Love Unit
Uintah County, Utah

Gentlemen:

On May 17, 1993, we received an indenture, whereby Apache Corporation resigned as Unit Operator and Phoenix Hydrocarbons Operatings Corp. was designated as Successor Unit Operator for the Love Unit, Uintah County, Utah.

The instrument is hereby approved effective June 1, 1993. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Love Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0663 will be used to cover all operations within the Love Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/S/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining /
Division of Lands and Mineral Operations U-942
File - Love Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron.

U-922:TAThompson:tt:06-01-93

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891018090A		LOVE WS MV A							
891018090A	430473061700S1	1-11	NESW	11	11S	21E	TA	UTU8344A	APACHE CORPORATION
891018090A	430473063800S1	1-12	NWSW	12	11S	21E	GSI	UTU8348	APACHE CORPORATION
891018090A	430473064000S1	4-1	NWSW	4	11S	21E	TA	UTU8347	APACHE CORPORATION
891018090A	430473070600S1	A1-18	SESW	18	11S	22E	GSI	UTU8348	APACHE CORPORATION
891018090A	430473070900S1	B1-10	SESW	10	11S	21E	TA	UTU8347	APACHE CORPORATION
891018090A	430473076600S1	B2-3	SWSW	3	11S	21E	PGW	UTU8347	APACHE CORPORATION

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LSC	7- VJC
2- DTS	DTJ
3- VLC	
4- RJF	
5- FILM	
6- ADA	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-92)

TO (new operator)	<u>PHOENIX HYDRO OPER CORP</u>	FROM (former operator)	<u>APACHE CORPORATION</u>
(address)	<u>PO BOX 2802</u>	(address)	<u>1700 LINCOLN STE 1900</u>
	<u>MIDLAND TX 79702</u>		<u>DENVER CO 80203-4520</u>
	<u>RHONDA PATTERSON</u>		<u>ALEX NISH</u>
	phone <u>(915) 682-1186</u>		phone <u>(303) 837-5000</u>
	account no. <u>N 9880</u>		account no. <u>N5040</u>

Well(s) (attach additional page if needed):

***LOVE UNIT**

Name: <u>LOVE U A1-18/WSTC</u>	API: <u>43-047-30706</u>	Entity: <u>1366</u>	Sec <u>18</u> Twp <u>11S</u> Rng <u>22E</u>	Lease Type: <u>U-8348</u>
Name: <u>LOVE U B1-10/WSTC</u>	API: <u>43-047-30709</u>	Entity: <u>1366</u>	Sec <u>10</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type: <u>U-8347</u>
Name: <u>LOVE U B2-3/WSTC</u>	API: <u>43-047-30766</u>	Entity: <u>1366</u>	Sec <u>3</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type: <u>U-8347</u>
Name: <u>LOVE U #1/MVRD & WSTC</u>	API: <u>43-047-30617</u>	Entity: <u>1366</u>	Sec <u>11</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type: <u>U-8344</u>
Name: <u>LOVE U 1-12/WSTC</u>	API: <u>43-047-30638</u>	Entity: <u>1366</u>	Sec <u>12</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type: <u>U-8344</u>
Name: <u>LOVE U 4-1/WSTC</u>	API: <u>43-047-30640</u>	Entity: <u>1366</u>	Sec <u>4</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type: <u>U-8347</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 7-20-92)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 8-25-92) (Rec'd 9-25-92)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(6-10-93)*
- See 6. Cardex file has been updated for each well listed above. *(6-10-93)*
- See 7. Well file labels have been updated for each well listed above. *(6-10-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(6-10-93)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: 6-8- 1993.

FILED

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

930610 Bhm/s.Y. Approved effective 6-1-93.

SNYDER OIL CORPORATION

1625 Broadway, Suite 2200
Denver, Colorado 80202
Phone 303-592-8579



FEB 07 1994

DIVISION OF
OIL, GAS & MINING

January 13, 1994

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

Attention: Lisha Cordova

RE: Change of Operator
Sundry Notices

Dear Ms. Cordova:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s wells should be transferred.

If you should have any questions, please call.

Sincerely,

Steven G. Van Hook
Attorney-in-Fact

Enclosures

INTEROFFICE COMMUNICATION
SNYDER OIL CORPORATION

TO: George Rooney
FROM: Steve Van Hook *SVH*
DATE: January 17, 1994
RE: Phoenix Acquisition
Transfer of Operator Forms

RECEIVED
FEB 07 1994
DIVISION OF
OIL, GAS & MINING

Accompanying this memo are the following items related to the Phoenix acquisition which require your further handling:

*Copy
Needs
Copies*

① Original letter dated 12/20/93 from Phoenix to the State of Utah Oil, Gas & Mining Division, with exhibit listing all wells in which SOCO becomes operator. Please mail ASAP with our enclosed cover letter advising SOCO is assuming operations.

② Separate executed forms to transfer operations on the Southman Canyon SWD #3 well. Please complete the contact portion of these forms and forward for approval with the State of Utah.

3. For the Walker Hollow Unit, enclosed is a 1/14/94 cover letter from Phoenix Hydrocarbon with a Sundry Notice executed by SOCO and Phoenix for the following unit wells:

- McLish #1, 2, 3, 4
- Pan Am #2
- Walker Hollow U6, J8

4. For operated wells on Federal lands, a separate file for the following wells is enclosed containing in each three original Sundry Notices of the BLM executed by SOCO and Phoenix. Please file with the BLM in triplicate for the following wells:

- | | |
|---------------------|-------------------------------|
| Castle Peak 1-3 | No Name 2-9, 1-9 |
| Canyon View 1-18 | Willow Creek #2 |
| Crooked Canyon 1-17 | Flat Mesa 2-7 |
| Federal 11-1-M | Flat Mesa 1-7 |
| Madeline 4-3-C | Gusher 15-1-A |
| Coors 1-14-D | Southman Canyon 4-5, 4-4, 1-5 |
| Baser 5-1 | Baser Draw 6-2, 6-1 |

Memo Re: Phoenix/Transfer of Operator Forms
January 17, 1994
Page 2

Wolf Govt. Federal #1
Monument Butte 2-3
Pete's Flat Federal 1-1
Willow Creek #1
Cliff Edge Fed 1-15
E. Gusher No. 3
Lizzard Creek 1-10
Federal 3-15
Monument Butte 1-3

Federal Miller 1
Sage Brush 1-8
Bitter Creek Federal 1-3
White River 1-14
Southman Canyon SWD #3
Federal 2-10 HB
Horseshoe Bend 2
Natural 1-7 (Love Unit)

Please advise should any questions arise.

SVH/lk

Attachments

Phoenix Hydrocarbons Operating Corp.

December 20, 1993

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

FEB 28 1994

Attention: Lisha Cordova

RE: Change Of Operator
Sundry Notices

Dear Lisha:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be Operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s well should be transfered.

If you should have any questions, please call.

Sincerely,



Rhonda Patterson

encl.

Post-it™ Fax Note	7671	Date	# of pages ▶ 3
To	<i>Lisha</i>	From	<i>Candy Brockman</i>
Co./Dept.		Co.	
Phone #		Phone #	
Fax #		Fax #	

UINTAH COUNTY

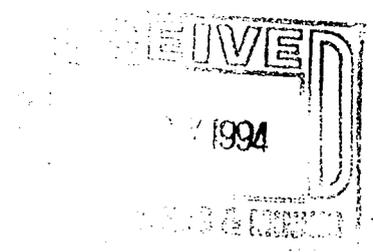
Well Name	LEASE NUMBER	API NUMBER	LOCATION
Gulf State 36-11	ML-22057	43-047-31350	SEC 36, T-8-S, R-18-E
Gulf State 36-12	ML-22057	43-047-31864	SEC 36, T-8-S, R-18-E
Gulf State 36-13	ML-22057	43-047-31346	SEC 36, T-8-S, R-18-E
Gulf State 36-22	ML-22057	43-047-31892	SEC 36, T-8-S, R-18-E
Parlette Draw 28-44	FEE	43-047-31408	SEC 28, T-4-S, R-2-W
Federal Miller #1	UTU0138484	43-047-30034	SEC 4, T-7-S, R-22-E
Wolf Govt # 1	UTU076939	43-047-16609	SEC 6, T-7-S, R-22-E
McLish #1 (Walker-Hollow)	SL-066341	43-047-20280	SEC 8, T-7-S, R-23-E
McLish #2 (Walker-Hollow)	SL-066341	43-047-30011	SEC 8, T-7-S, R-23-E
McLish #3 (Walker-Hollow)	SL-066341	43-047-30027	SEC 8, T-7-S, R-23-E
McLish #4 (Walker-Hollow)	SL-066341	43-047-30030	SEC 8, T-7-S, R-23-E
Walker Hollow U-8	SL-066341	43-047-31034	SEC 8, T-7-S, R-23-E
Pan American #2	SL-066341	43-047-30038	SEC 8, T-7-S, R-23-E
Walker Hollow U-8	SL-066341	43-047-31092	SEC 8, T-7-S, R-23-E
Basin 6-1	UTU076939	43-047-31833	SEC 6, T-7-S, R-22-E
Basin 6-1	UTU076939	43-047-31834	SEC 6, T-7-S, R-22-E
Basin 6-2	UTU076939	43-047-31859	SEC 6, T-7-S, R-22-E
Southman 1-6	UTU33433	43-047-30856	SEC 6, T-10-S, R-23-E
Southman 4-4	UTU33433	43-047-30632	SEC 4, T-10-S, R-23-E
Southman 4-6	UTU33433	43-047-30633	SEC 6, T-10-S, R-23-E
East Gusher 16-1-A	UTU58097	43-047-31900	SEC 16, T-8-S, R-20-E
Coors 14-1-D	UTU65223	43-047-31304	SEC 14, T-7-S, R-21-E
East Gusher 2-1-A	ML-21181	43-047-31431	SEC 2, T-6-S, R-20-E
Madeline 4-3-C	UTU42469	43-047-32279	SEC 4, T-7-S, R-21-E
Federal 6-5-H	UTU68999	43-047-31903	SEC 6, T-7-S, R-21-E
Federal 11-1-M	UTU64376	43-047-32333	SEC 11, T-6-S, R-20-E
Flat Mesa 1-7	U-38420	43-047-30362	SEC 7, T-10-S, R-23-E
Flat Mesa 2-7	U-38420	43-047-30646	SEC 7, T-10-S, R-23-E
Crooked Canyon 1-17	U-37355	43-047-30369	SEC 17, T-10-S, R-23-E
Willow Creek 2	U-38223	43-047-31816	SEC 6, T-11-S, R-20-E
No Name Canyon 1-8	U-37355	43-047-30378	SEC 8, T-10-S, R-23-E
No Name Canyon 2-8	U-37355	43-047-31604	SEC 8, T-10-S, R-23-E
Canyon View Fed 1-18	U-38421	43-047-30379	SEC 18, T-10-S, R-23-E
Alger Pass #1	ML-36213	43-047-31824	SEC 2, T-11-S, R-19-E
Sage Hen 1-6	U-38419	43-047-30382	SEC 6, T-10-S, R-23-E
Sagebrush 1-8	U-37355	43-047-30383	SEC 8, T-10-S, R-23-E
Southman Canyon SWD 3	U-38427	43-047-16880	SEC 16, T-10-S, R-23-E
Jack Rabbit 1-11	U-38425	43-047-30423	SEC 11, T-10-S, R-23-E
Cliff Edge 1-16	U-38427	43-047-30462	SEC 16, T-10-S, R-23-E
White River 1-14	U-38427	43-047-30481	SEC 14, T-10-S, R-23-E
Bitter Creek Fed 1-3	U-29797	43-047-30624	SEC 3, T-11-S, R-22-E
Lookout Point 1-16	ML-22186-A	43-047-30644	SEC 16, T-10-S, R-23-E
Pete's Flat Fed 1-1	U-40738	43-047-30558	SEC 1, T-10-S, R-23-E
Sheepherder Fed 1-10	U-38281	43-047-30569	SEC 10, T-10-S, R-23-E
NSO Fed 1-12	U-38422	43-047-30660	SEC 12, T-10-S, R-23-E
Cottonwood Wash #1	U-40729	43-047-31774	SEC 10, T-12-S, R-21-E
Willow Creek #1	U-34705	43-047-31776	SEC 27, T-11-S, R-20-E
East Bench #1	U-25880	43-047-31778	SEC 33, T-11-S, R-22-E
Lizzard Creek 1-10	U-25880	43-047-31476	SEC 10, T-11-S, R-22-E
Archy Bench #1-2	ML-22348-A	43-047-31489	SEC 2, T-11-S, R-22-E
Coors 2-10-HB	UTU-65222	43-047-32009	SEC 10, T-7-S, R-21-E
E Gusher #3	SL-065841-A	43-047-16590	SEC 3, T-6-S, R-20-E
Natural 1-7	U-8346	43-047-30148	SEC 7, T-11-S, R-21-E
Bonanza Federal 3-15	U-38428	43-047-31278	SEC 15, T-10-S, R-23-E
Larkas 1-3	CR201	43-047-31178	SEC 3, T-11-S, R-20-E
State 14-16	ML-40904	43-047-31417	SEC 16, T-7-S, R-21-E
Love Unit 1-18	891018090A	43-047-30706	SEC 18, T-11-S, R-22-E
Love Unit 1-11	891018090A	43-047-30617	SEC 11, T-11-S, R-21-E
Love Unit 1-12	891018090A	43-047-30838	SEC 12, T-11-S, R-21-E
Love Unit 4-1	891018090A	43-047-30640	SEC 4, T-11-S, R-21-E
Love Unit B-1-10	891018090A	43-047-30709	SEC 10, T-11-S, R-21-E
Love Unit B-2-3	891018090A	43-047-30766	SEC 3, T-11-S, R-21-E
Horseshoe Bend #2 (Alta)	U-0142176	43-047-16800	SEC 3, T-7-S, R-21-E

DUCHESNE COUNTY

Well Name	LEASE NUMBER	API NUMBER	LOCATION
Pleasant Valley 24-32	FEE	43-013-30888	SEC 24, T-4-S, R-2-W
Castle Peak 1-3	U-47172	43-013-30639	SEC 3, T-9-S, R-16-E
Monument Butte 1-3	U-44004	43-013-30642	SEC 3, T-9-S, R-17-E
Monument Butte 2-3	U-61252	43-013-30810	SEC 3, T-9-S, R-17-E

COPY

Bureau of Land Management
Branch of Fluid Minerals
P.O. Box 45155
Salt Lake City, Utah 84145-0155



June 24, 1994

Snyder Oil Corporation
777 Main Street, Suite 2500
Fort Worth, Texas 76102

RE: Love Unit
Uintah County, Utah

Gentlemen:

On June 21, 1994, we received an indenture whereby Phoenix Hydrocarbons Operating Corporation resigned as Unit Operator and Snyder Oil Corporation was designated as Successor Unit Operator for the Love Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 24, 1994.

Your nationwide (Wyoming) oil and gas bond No. 2272 will be used to cover all operations within the Love Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Division of Lands and Mineral Operations U-942
File - Love Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:06-24-94

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891018090A		LOVE WS MV A							
891018090A	430473061700S1	1-11	NESW	11	11S	21E	PGW	UTU8344A	PHOENIX HYDROCARBONS OPER
891018090A	430473063800S1	1-12	NWSW	12	11S	21E	PGW	UTU8348	PHOENIX HYDROCARBONS OPER
891018090A	430473064000S1	4-1	NWSW	4	11S	21E	TA	UTU8347	PHOENIX HYDROCARBONS OPER
891018090A	430473070600S1	A1-18	SESW	18	11S	22E	PGW	UTU8348	PHOENIX HYDROCARBONS OPER
891018090A	430473070900S1	B1-10	SESW	10	11S	21E	TA	UTU8347	PHOENIX HYDROCARBONS OPER
891018090A	430473076600S1	B2-3	SWSW	3	11S	21E	TA	UTU8347	PHOENIX HYDROCARBONS OPER

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-EC 7-PL	✓
2-LWP 8-SJ	✓
3-OPS 9-FILE	✓
4-VLC	✓
5-RJF	✓
6-LWP	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-94)

TO (new operator)	<u>SNYDER OIL CORPORATION</u>	FROM (former operator)	<u>PHOENIX HYDRO OPER CORP</u>
(address)	<u>PO BOX 129</u>	(address)	<u>PO BOX 2802</u>
	<u>BAGGS, WY 82321</u>		<u>MIDLAND, TX 79702</u>
	<u>KATHY STAMAN</u>		<u>RHONDA PATTERSON</u>
	phone <u>(307) 383-2800</u>		phone <u>(915) 682-1186</u>
	account no. <u>N1305</u>		account no. <u>N9880</u>

Well(s) (attach additional page if needed): ***LOVE UNIT**

Name: <u>LOVE UNIT 1/MVRD & WS</u>	API: <u>43-047-30617</u>	Entity: <u>1366</u>	Sec <u>11</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type <u>U8344</u>
Name: <u>LOVE UNIT 1-12/WSTC</u>	API: <u>43-047-30638</u>	Entity: <u>1366</u>	Sec <u>12</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type <u>U8344</u>
Name: <u>LOVE UNIT 4-1/WSTC</u>	API: <u>43-047-30640</u>	Entity: <u>1366</u>	Sec <u>4</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type <u>U8347</u>
Name: <u>LOVE UNIT A1-18/WSTC</u>	API: <u>43-047-30706</u>	Entity: <u>1366</u>	Sec <u>18</u> Twp <u>11S</u> Rng <u>22E</u>	Lease Type <u>U8348</u>
Name: <u>LOVE UNIT B1-10/WSTC</u>	API: <u>43-047-30709</u>	Entity: <u>1366</u>	Sec <u>10</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type <u>U8347</u>
Name: <u>LOVE UNIT B2-3/WSTC</u>	API: <u>43-047-30766</u>	Entity: <u>1366</u>	Sec <u>3</u> Twp <u>11S</u> Rng <u>21E</u>	Lease Type <u>U8347</u>
Name: _____	API: _____	Entity: _____	Sec ___ Twp ___ Rng ___	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-28-94)*
- Lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-7-94)*
- NA 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- Lec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- LWP 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *6-29-94*
- LWP 6. Cardex file has been updated for each well listed above. *6-29-94*
- LWP 7. Well file labels have been updated for each well listed above. *6-29-94*
- Lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(6-29-94)*
- Lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A / Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A / DTS / 6/30/94 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

1. All attachments to this form have been microfilmed. Date: July 8 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940629 Bm/S.Y. Aprv. eff. 6-24-94. (Other wells handled on separate changes)



Snyder Oil Corporation

P.O. Box 695
Vernal, Utah 84078
801/789-0323

February 29, 1996

Utah State Division of Oil Gas & Mining
3 Triad Center, Suite #350
355 W. North Temple
Salt Lake City, UT 84180-1203

MAR - 1 1996

RE: Site Security Diagrams

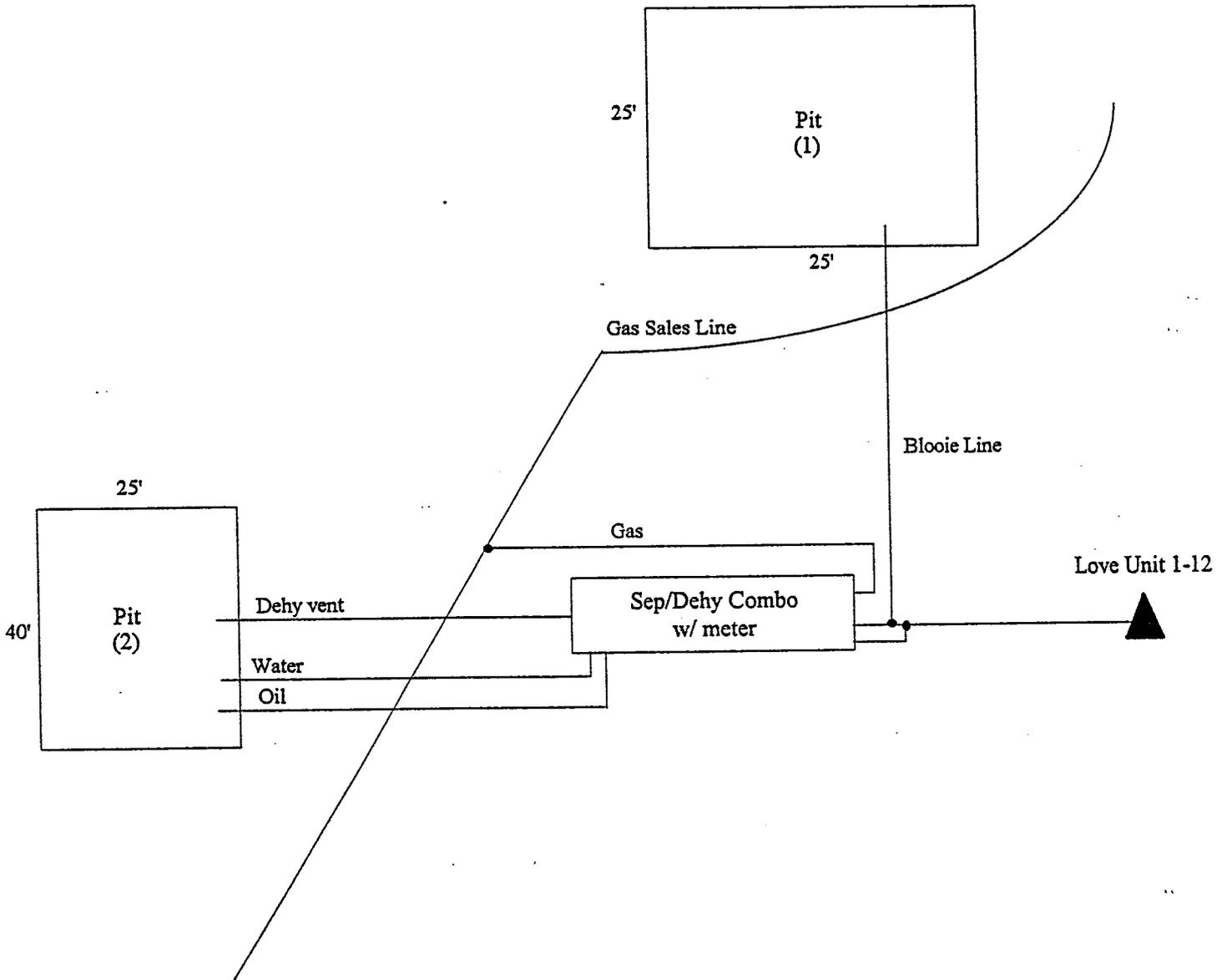
Gentlemen:

Enclosed are copies of Site Security Diagrams for wells operated by Snyder Oil Corporation. We will send you copies of the rest of the diagrams when we receive them from Buys and Associates. If you have any questions, please contact me at 801-789-0323.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemec".

Lucy Nemec
Senior Clerk



SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION
 P.O. BOX 695
 VERNAL, UT 84078

42-047-30638

Snyder Oil Corporation	
Love Unit 1-12 NWSW Sec. 12 T11S R21E Uintah County, UT Lease # U-8348	
Prepared By: JT	6/9/95
Revised By: KR	1/16/96
BUYS & ASSOCIATES, INC. Environmental Consultants	

SNYDER OIL CORPORATION

VALVING DETAIL

(Site Security Diagram Attachment)

Position of Valves and Use of Seals for Tanks in Production Phase

Valve	Line Purpose	Position	Seal Installed
E	Overflow/Equalizer	Closed	Yes
F	Fill	Open	No
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed	Yes

Position of Valves and Use of Seals for the Tank in Sales Phase

Valve	Line Purpose	Position	Seal Installed
E	Overflow/Equalizer	Closed	Yes
F	Fill	Closed	Yes
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed*	Yes

*The sales line will be opened by the purchaser at the time of sale. Until that time the sales line will remain closed and sealed.

SOCO
Snyder Oil Corporation
Southern Region

1200 Smith, Suite 3300
Houston, Texas 77002
713-646-6600

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

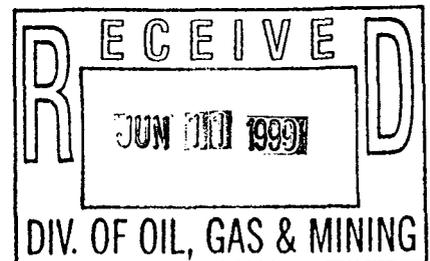
Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode

Enclosure



Santa Fe Energy Resources, Inc.

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

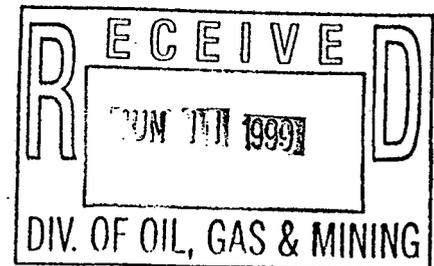
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode



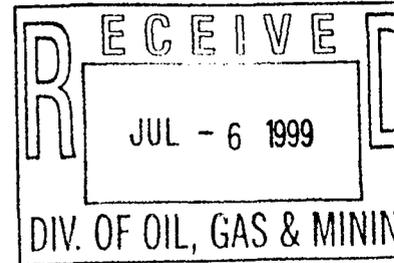
Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



In Reply Refer To:
3106
U-19037 et al
(UT-932)

JUL 1 1999

NOTICE

Santa Fe Snyder Corporation : Oil and Gas
840 Gessner, Suite 1400 :
Houston, TX 77024 :

Merger Recognized Name Change Recognized

Acceptable evidence has been filed in this office concerning the merger of Snyder Oil Corporation into Santa Fe Energy Resources, Inc. and the name being subsequently changed to Santa Fe Snyder Corporation as the surviving entity.

For our purposes the merger and name change are recognized effective June 1, 1999, per company request.

The oil and gas lease files identified on the enclosed exhibits have been noted as to the merger and name change. The exhibits were compiled from lists supplied by Santa Fe Snyder Corporation. We have not adjudicated the case files to determine if the entities affected by the merger and name change hold an interest in the leases identified, nor have we attempted to identify leases where the entities are the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger and name change by a copy of this notice. If additional documentation for a change of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger and the name change the principal on bonds held by Snyder and Santa Fe are automatically changed to Santa Fe Snyder Corporation. Riders to Nationwide Bond No. 400JF 5493 (BLM Bond No. UT0855) and Nationwide Bond No. 5473615 (BLM Bond No. WY2912) have been filed in the Utah State Office. It is the request of Santa Fe Snyder Corporation to change the name on BLM Bond No. UT0855 to reflect the merger/name change, and to terminate the period of liability on BLM Bond No. WY2912. A decision regarding this matter will follow in due course.

Christopher J. Merritt

Christopher J. Merritt
Acting Group Leader,
Minerals Adjudication Group

Enclosures

1. Santa Fe Energy Resources, Inc. Exhibit of Leases
2. Snyder Oil Corporation Exhibit of Leases

cc:

All State Offices
Moab Field Office
Vernal Field Office
MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210) Box 145801, SLC, UT 84114-5801
St. Paul Fire & Marine Insurance Co., 385 Washington St., St. Paul, MN 55102
SAFECO Insurance Company of America, SAFECO Plaza, Seattle, WA 98185
Santa Fe Snyder Corp., Attn: Phyllis Sobotik, 1625 Broadway, #2200, Denver, CO 80202
Irene Anderson (UT-932)
Teresa Thompson (UT-931)

SNYDER LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA COC-33237	CO	USA U-0136484	UT
USA COC-36719	CO	USA U-37573	UT
USA LAES 49122	LA	USA U-33433	UT
USA LAES 49123	LA	USA U-47172	UT
USA LAES 49124	LA	USA U-37355	UT
USA LAES 49125	LA	USA UTU-15855	UT
USA LAES 49127	LA	USA U-0142175	UT
USA LAES 49128	LA	USA UTU-02651	UT
USA LAES 49129	LA	USA UTU-02651-B	UT
USA LAES 49130	LA	USA U-34705	UT
USA LAES 49131	LA	USA U-40729	UT
USA LAES 49132	LA	USA U-58097	UT
USA LAES 49133	LA	USA U-30289	UT
USA LAES 49134	LA	USA UTU-72632	UT
USA LAES 49135	LA	USA UTU-73013	UT
USA LAES 49136	LA	USA UTU-64376	UT
USA LAES 49137	LA	USA UTU-38261	UT
USA LAES 49138	LA	USA UTU-28212	UT
USA LAES 49139	LA	USA UTU-28213	UT
USA LAES 49140	LA	USA UTU-38419	UT
USA LAES 49141	LA	USA U-53861	UT
USA LAES 49142	LA	USA UTU-38418	UT
USA LAES 49143	LA	USA UTU-66401	UT
USA LAES 49144	LA	USA U-38423	UT
USA LAES 49145	LA	USA UTU-38425	UT
USA LAES 49146	LA	USA U-38421	UT
USA LAES 49147	LA	USA UTU-38428	UT
USA LAES 49148	LA	USA U-38420	UT
USA LAES 49149	LA	USA UTU-34350	UT
USA LAES 49150	LA	USA UTU-39223	UT
USA LAES 49151	LA	USA U-64923	UT
USA LAES 49152	LA	USA UTU-40736	UT
USA LAES 49153	LA	USA U-075939	UT
USA LAES 49154	LA	USA U-70235	UT
USA LAES 49155	LA	USA UTU-44426	UT
USA LAES 49156	LA	USA UTU-57495	UT
USA LAES 49157	LA	USA UTU-57503	UT
USA LAES 49158	LA	USA UTU-52106	UT
USA LAES 49159	LA	USA UTU-59121	UT
USA LAES 49160	LA	USA UTU-73009	UT
USA LAES 49161	LA	USA UTU-73010	UT
USA LAES 49162	LA	USA UTU-50490	UT
USA LAES 49163	LA	USA UTU-65126	UT
USA LAES 49164	LA	USA UTU-49228	UT
USA LAES 49165	LA	USA UTU-53127	UT
USA LAES 49166	LA	USA UTU-65132	UT
USA LAES 49167	LA	USA UTU-63951	UT
USA LAES 49168	LA	USA UTU-47483	UT
USA LAES 49169	LA	USA UTU-63978	UT
USA LAES 49170	LA	USA UTU-69116	UT
USA LAES 49171	LA	USA UTU-65138	UT

SNYDER LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA LAES 49172	LA	USA UTU-54774	UT
USA LAES 49173	LA	USA UTU-71230	UT
USA LAES 49174	LA	USA UTU-71234	UT
USA LAES 49175	LA	USA UTU-44799	UT
USA LAES 49176	LA	USA UTU-57512	UT
USA LAES 49177	LA	USA UTU-53084	UT
USA LAES 49178	LA	USA UTU-53938	UT
USA LAES 49179	LA	USA UTU-61936	UT
USA LAES 49180	LA	USA UTU-47127	UT
USA LAES 49181	LA	USA UTU-53918	UT
USA LAES 49183	LA	USA UTU-47484	UT
USA LAES 49194	LA	USA UTU-53946	UT
USA LAES 49198	LA	USA UTU-53941	UT
USA LAES 49199	LA	USA UTU-42531	UT
USA LAES 49200	LA	USA U-49245	UT
USA LAES 49201	LA	USA U-50802	UT
USA MTM-38582-A	MT	USA UTU-0647	UT
USA MTM-63708	MT	USA UTU-50687	UT
USA M-13323 (ND)	ND	USA UTU-37116	UT
USA M-68863 (SD)	SD	USA UTU-59122	UT
USA UTU-70189	UT	USA UTU-63985	UT
USA UTU-73175	UT	USA UTU-52298	UT
USA UTU-73434	UT	USA UTU-7386	UT
USA UTU-73435	UT	USA UTU-67178	UT
USA UTU-73444	UT	USA UTU-67549	UT
USA UTU-73450	UT	USA UTU-74416	UT
USA U-8345	UT	USA UTU-74413	UT
USA U-14646	UT	USA UTU-73900	UT
USA U-66746	UT	USA UTU-67868	UT
USA UTU-42469	UT	USA UTU-74414	UT
USA U-65222	UT	USA UTU-49530	UT
USA U-61263	UT	USA UTU-53860	UT
USA UTU-29535	UT	USA UTU-34711	UT
USA U-25880	UT	USA UTU-46699	UT
USA U-65223	UT	USA UTU-73643	UT
USA U-29797	UT	USA UTU-0141804	UT
USA UTU-0109054	UT	USA UTU-75091	UT
USA UTU-8346	UT	USA UTU-75097	UT
USA U-8347	UT	USA UTU-74972	UT
USA UTU-8344	UT	USA UTU-75096	UT
USA U-8344-A	UT	USA UTU-74415	UT
USA UTU-8348	UT	USA UTU-38401	UT
USA U-38424	UT	USA UTU-38411	UT
USA U-38427	UT	USA UTU-31260	UT
USA SL-065841-A	UT	USA UTU-59654	UT
USA UTU-31736	UT	USA U-14219	UT
USA U-38426	UT	USA UTU-30123	UT
USA U-44090-A	UT	USA UTU-34714	UT
USA U-71694	UT	USA UTU-10134	UT
USA U-72028	UT	USA UTU-10830	UT
USA U-51026	UT	USA UTU-14223	UT

SANTA FE LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
BLM NMNM-92488	NM	BLM WYW-59145	WY
BLM NMNM-45235	NM	BLM WYW-43661	WY
BLM NMNM-24877	NM	BLM WYW-0311938	WY
BLM NMNM-93398	NM	BLM WYW-52562	WY
BLM NMNM-96591	NM	BLM WYW EV-022932	WY
BLM NMNM-77894	NM	BLM WYW-27645	WY
BLM NMNM-65900	NM	BLM WYW-043930-A	WY
BLM NMNM-87977	NM	BLM WYW EV-026056	WY
BLM NMNM-65864	NM	BLM WYW-0322610	WY
BLM NMNM-95879	NM	BLM WYW-0320213	WY
BLM NMNM-97394	NM	BLM EV-023313-A	WY
BLM NMNM-98005	NM	BLM WYW-9578	WY
BLM NMNM-98006	NM	BLM WYW-96918	WY
BLM NMNM-98010	NM	BLM WYW-0320078	WY
BLM NMNM-95418	NM	BLM WYW-035599	WY
BLM NMNM-25667	NM	BLM WYW-2120	WY
BLM NMNM-98300	NM	BLM WYEV-024469	WY
BLM NMNM-98033	NM	BLM WYW-0136175	WY
BLM NMNM-998271	NM	BLM WYW-0136177	WY
BLM NMNM-98305	NM	BLM WYW-05991	WY
BLM NMNM-91179	NM	BLM WYW-02736	WY
BLM NMNM-85420	NM	BLM WYW EV-025548	WY
BLM NMNM-100956	NM	BLM EV-023313-E	WY
BLM NMNM-58393	NM	BLM EV-023313-B	WY
BLM OKNM 23555	OK	BLM WYW-21124	WY
BLM NM 15074 (OKLA)	OK	BLM WYW EV-022931	WY
BLM UTU-19037	UT	BLM WYW-61240	WY
BLM UTU-55626	UT	BLM WYW-18480	WY
BLM UTU-38354	UT	BLM WYW-51654	WY
BLM UTU-38401	UT	BLM WYW-50676	WY
BLM UTU-38430	UT	BLM COC-036289 A&B	WY
BLM UTU-42823	UT	BLM WYW-0942	WY
BLM WYEV-026201	WY	BLM WYW-63210	WY
BLM WYW-35860	WY	BLM WYW-66866	WY
BLM WYW-47198	WY	BLM WYW-102793	WY
BLM WYEV-022765	WY	BLM WYW-107726	WY
BLM WYEV-023941	WY	BLM W-70335	WY
BLM WYEV-026196	WY	BLM W-70496	WY
BLM WYEV-026201	WY	BLM W-70326	WY
BLM WYEV-026202	WY	BLM W-55746	WY
BLM WYEV-026204	WY	BLM W-56480	WY
BLM WYEV-026205	WY		
BLM WYEV-026208	WY		
BLM WYEV-026209	WY		
BLM WYW-04674	WY		
BLM WYW-023207	WY		
BLM WYW-023211	WY		
BLM WYW-0268735	WY		
BLM WYCHEY-037066	WY		
BLM WYW-58075	WY		
BLM WYW-17284	WY		
BLM WYW-17296	WY		
BLM WYW-17282(A)	WY		
BLM WYW-55067	WY		

Santa Fe Snyder Corporation

July 2, 1999

Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger
Surety Bond Number - JZ 7777
Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

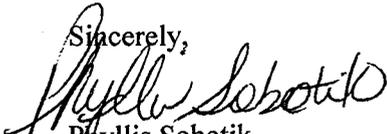
Copy of Merger Certificate
Copy of the Office of the Secretary of State's Acceptance
Sundry Notices for Properties Located on Fee or State Land
Sundry Notice for Federal Properties
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200
Denver, CO 80202

Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

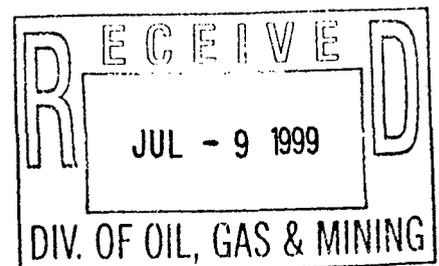
Sincerely,


Phyllis Sobotik
Sr. Regulatory Specialist

/ps

Enclosures:

1625 Broadway
Suite 2200
Denver, Colorado 80202
303/592-8500
Fax 303/592-8600



Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,
WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in black ink, appearing to read "Edward J. Freel".

Edward J. Freel, Secretary of State

0774411 8100M

991177495

AUTHENTICATION: 9725623

DATE: 05-05-99

CERTIFICATE OF MERGER

Merger of Snyder Oil Corporation, a Delaware corporation
With and Into
Santa Fe Energy Resources, Inc., a Delaware corporation

Pursuant to the provisions of Section 251 of the Delaware General Corporation Law, the undersigned certifies as follows concerning the merger (the "Merger") of Snyder Oil Corporation, a Delaware corporation, with and into Santa Fe Energy Resources, Inc., a Delaware corporation, with Santa Fe Energy Resources, Inc. as the surviving corporation (the "Surviving Corporation").

1. The Agreement and Plan of Merger, dated as of January 13, 1999 (the Agreement and Plan of Merger being hereinafter referred to as the "Merger Agreement") has been approved, adopted, certified, executed and acknowledged by Snyder Oil Corporation and Santa Fe Energy Resources, Inc. in accordance with Section 251 of the Delaware General Corporation Law.

2. The Merger contemplated in the Merger Agreement and this Certificate of Merger will be effective immediately upon the filing of this Certificate of Merger

3. The name of the Surviving Corporation shall be Santa Fe Energy Resources, Inc. which shall be changed herewith to Santa Fe Snyder Corporation.

4. Article FIRST of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter referred to as the "Corporation") is Santa Fe Snyder Corporation."

and that the first paragraph of Article FOURTH of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FOURTH: The total number of shares of all classes of capital stock which the Corporation shall have authority to issue is 350,000,000, of which 50,000,000 shares shall be Preferred Stock, par value \$.01 per share, and 300,000,000 shares shall be Common Stock, par value \$.01 per share."

The Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc., as amended, in effect at the effective time of the Merger shall be the certificate of incorporation of the

Surviving Corporation.

5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.

6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

By: David L. Hicks
Name: David L. Hicks
Title: Vice President — Law and
General Counsel

UTAH FACILITIES

Lease	Unit Name	Tribe Name	Field	Stat	County	1/41/4	S	T	R	Lease Number	Mineral Type	API Number	Comments
Horseshoe Bend #4-10			Horseshoe Bend	INA	Uintah	NW/SE	4	7S	22E	U 0136484	FED	43-047-32577	11728
✓ Horseshoe Bend #36-1P			Horseshoe Bend	ACT	Uintah	SE/SE	36	6S	21E	ML 33225	STATE	43-047-31482	9815
Horseshoe Bend Compressor Site			Horseshoe Bend	ACT	Uintah		4	7S	21E				
Jack Rabbit #1-11			Natural Buttes	INA	Uintah	SW/NE	11	10S	23E	U 38425	FED	43-047-30423	475
✓ L.C.K. #30-1H			Horseshoe Bend	ACT	Uintah	SE/NE	30	6S	21E	N/A	FEE	43-047-31588	10262
Lafkas Federal #1-3			Hill Creek	INA	Uintah	SW/SW	3	11S	20E	U 34350	FED	43-047-31178	1367
Lizzard Creek #1-10			Bitter Creek	ACT	Uintah	NW/NW	10	11S	22E	U 25880	FED	43-047-31482	9870
✓ Lookout Point #1-16			Natural Buttes	ACT	Uintah	NE/SE	16	10S	23E	ML 22186 A	STATE	43-047-30544	1495
Love Unit #1-11	Love		Love	ACT	Uintah	C/SW	11	11S	21E	U 008344 A	FED	43-047-30617	1366
Love Unit #1-12	Love		Love	ACT	Uintah	SW/NW	12	11S	21E	U 008344 A	FED	43-047-30638	1366
Love Unit #4-1	Love		Love	INA	Uintah	NW/SW	4	11S	21E	U 8347	FED	43-047-30640	1366
Love Unit #A1-18	Love		Love	ACT	Uintah	SW/SE	18	11S	21E	U 8348	FED	43-047-30706	1366
Love Unit #B1-10	Love		Love	ACT	Uintah	SE/SW	10	11S	21E	U 8347	FED	43-047-30709	1366
Love Unit #B2-3	Love		Love	INA	Uintah	SW/SW	3	11S	21E	U 8347	FED	43-047-30766	1366
Love Unit Compressor Site			Love	ACT	Uintah			11S	21E				
Madeline #4-3C			Horseshoe Bend	ACT	Uintah	Lot 3	4	7S	21E	U 42469	FED	43-047-32279	11379
McLish #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	ACT	Uintah	SW/SW	8	7S	23E	U 02651	FED	43-047-20280	2760
McLish #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/SE	8	7S	23E	U 02651	FED	43-047-30011	2760
McLish #3			Walker Hollow (Horseshoe Bend)	ACT	Uintah	NE/SE	8	7S	23E	U 02651	FED	43-047-30027	12504
McLish #4	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NE/SW	8	7S	23E	U 02651	FED	43-047-30030	2760
Natural #1-7			Love (Horseshoe Bend)	INA	Uintah	NW/NE	7	11S	21E	U 8345	FED	43-047-30148	6129
No Name Canyon #1-9			Natural Buttes	ACT	Uintah	SE/NE	9	10S	23E	U 37355	FED	43-047-30378	1466
No Name Canyon #2-9			Natural Buttes	ACT	Uintah	NE/NW	8	10S	23E	U 37355	FED	43-047-31504	1468
NSO Federal #1-12			Natural Buttes	ACT	Uintah	NE/NW	12	10S	23E	U 38423	FED	43-047-30560	1480
Pan American #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/NW	9	7S	23E	U 02651 A	FED	43-047-30037	
Pan American #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NW/SW	9	7S	23E	U 02651 A	FED	43-047-30038	2760
✓ Pariette Draw #28-44			Windy Ridge West (Eight Mile Flat N.)	ACT	Uintah	SE/SE	28	4S	1E	N/A	FEE	43-047-31408	4960
Pete's Flat #1-1			Natural Buttes	INA	Uintah	NE/SE	1	10S	23E	U 38423	FED	43-047-30558	1510
Sage Hen #1-6			Natural Buttes	INA	Uintah	NE/SE	6	10S	23E	U 38419	FED	43-047-30382	1490
Sagebrush #1-8			Natural Buttes	TAD	Uintah	SW/NE	8	10S	23E	U 37355	FED	43-047-30383	1467
Sheepherder #1-10			Natural Buttes	ACT	Uintah	NE/SE	10	10S	23E	U 38424	FED	43-047-30559	1470
Southman Canyon #1-5 (Federal #1-5)			Natural Buttes	ACT	Uintah	SE/NW	5	10S	23E	U 33433	FED	43-047-30856	10689
Southman Canyon #3			Natural Buttes	WDW	Uintah	NE/SE	15	10S	23E	U 66406	FED	43-047-15880	Saltwater Disposal 99990
Southman Canyon #4-4 (Federal #4-4)			Natural Buttes	INA	Uintah	NW/SE	4	10S	23E	U 33433	FED	43-047-30632	10690
Southman Canyon #4-5			Natural Buttes	ACT	Uintah	NE/SE	5	10S	23E	U 33433	FED	43-047-30633	6131
Southman Canyon #9-3M			Natural Buttes	ACT	Uintah	SW/SW	9	10S	23E	U 37355	FED	43-047-32540	11767
Southman Canyon #9-4J			Natural Buttes	ACT	Uintah	NW/SE	9	10S	23E	U 37355	FED	43-047-32541	11685
Southman Canyon #31-1L			Natural Buttes	ACT	Uintah	SW/	31	9S	23E	U 33433	FED	43-047-32543	11678
✓ State #14-16			Brennan Bottom	ACT	Uintah	SW/SW	16	7S	21E	ML 40904	STATE	43-047-31417	8010

OPERATOR CHANGE WORKSHEET

Routing:	
1-KDR ✓	6-KAS ✓
2-GLH ✓	7-SJP ✓
3-JRB ✓	8-FILE ✓
4-CDW ✓	9- <i>[Signature]</i>
5-KDR ✓	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only (MERGER)

The operator of the well(s) listed below has changed, effective: 6-1-99

TO: (new operator)	<u>SANTE FE SNYDER CORPORATION</u>	FROM: (old operator)	<u>SNYDER OIL CORPORATION</u>
(address)	<u>P.O. BOX 129</u>	(address)	<u>P.O. BOX 129</u>
	<u>BAGGS, WYOMING 82321</u>		<u>BAGGS, WYOMING 82321</u>
Phone:	<u>(307) 383-2800</u>	Phone:	<u>(307) 383-2800</u>
Account no.	<u>N2000 (6-24-99)</u>	Account no.	<u>N1305</u>

WELL(S) attach additional page if needed: *HORSESHOE BEND, LOVE, EAST BENCH & WALKER HOLLOW UNITS

Name: <u>*SEE ATTACHED*</u>	API: <u>93-097-30638</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 6.11.99)*
2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 6.11.99)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) yes If yes, show company file number: #011879
4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(Rec'd 7.6.99)*
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(7.12.99)*
6. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above. *(new system)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(8.2.99)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. (Rec'd 6-11-99 #J27777)
- 2. A copy of this form has been placed in the new and former operator's bond files.
- 3. The FORMER operator has requested a release of liability from their bond (yes/no) (no), as of today's date 6-11-99. If yes, division response was made to this request by letter dated Aug. 12, 1999

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- 1. Copies of documents have been sent on 8/12/99 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

- 1. All attachments to this form have been microfilmed. Today's date: 9-28-99

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.
U 008344A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Love Unit #1-12

9. API Well No.
43-047-30638

10. Field and Pool, or Exploratory Area
Love

11. County or Parish, State
Uintah, Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Coastal Oil & Gas Corporation **Attn.: Ronald M. Routh**

3. Address and Telephone No.
P. O. Box 1148 Vernal, Utah 84078 **435-781-7021**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1610' FSL, 1230' FWL SW/NW
Sec. 12-T11S-R21E

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

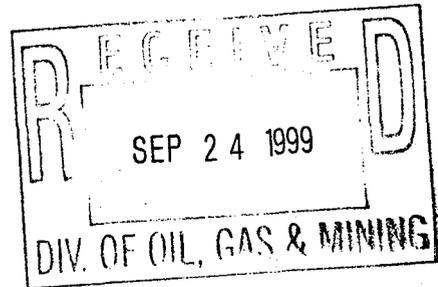
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please be advised Coastal Oil & Gas Corporation at P. O. Box 1148 Vernal, Utah 84078 is considered to be the operator of the above referenced well and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.

Effective date of change is September 1, 1999.

BLM bond coverage is provided by U605382-9

Utah state bond coverage is U2644534. State operator number is 17102



Please contact Ronald M. Routh at 435-781-7021 if you have any questions.

14. I hereby certify that the foregoing is true and correct

Signed *W. J. [Signature]* Title vice President Sr. Environmental Coordinator Date 16-Aug-99

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-931

May 15, 2000

Coastal Oil & Gas Corporation
Attn: Elsie M. Powell
Coastal Tower
9 Greenway Plaza
Houston, Texas 77046-0995

Re: Love Unit
Uintah County, Utah

Gentlemen:

On April 27, 2000, we received an indenture dated January 11, 2000, whereby Santa Fe Snyder Corporation resigned as Unit Operator and Coastal Oil & Gas Corporation was designated as Successor Unit Operator for the Love Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective May 15, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Love Unit Agreement.

Your nationwide (Wyoming) oil and gas bond No. 2793 will be used to cover all operations within the Love Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Love Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron
UT931:TAThompson:tt:5/15/00

RECEIVED

MAY 16 2000

DIVISION OF
OIL, GAS AND MINING

Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: 891018090A								
UTU8344A	4304730617	1 LOVE UNIT	NESW	11	T11S	R21E	GSI	SANTA FE SNYDER CORPORATION
UTU8348	4304730638	12-1 LOVE UNIT	NWSW	12	T11S	R21E	PGW	SANTA FE SNYDER CORPORATION
UTU8347	4304730640	4-1 LOVE UNIT	NWSW	4	T11S	R21E	TA	SANTA FE SNYDER CORPORATION
UTU8348	4304730706	A1-18 LOVE UNIT	SESW	18	T11S	R22E	GSI	SANTA FE SNYDER CORPORATION
UTU8347	4304730709	B1-10 LOVE UNIT	SESW	10	T11S	R21E	TA	SANTA FE SNYDER CORPORATION
UTU8347	4304730766	B2-3 LOVE UNIT	SWSW	3	T11S	R21E	TA	SANTA FE SNYDER CORPORATION

RECEIVED

MAY 16 2000

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

1- [redacted]	4-KAS ✓
2-CDW ✓	5-SJ
3-JLT	6-FILE

Check each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (Well Sold) Designation of Agent
- Operator Name Change Only Merger

The operator of the well(s) listed below has changed, **effective:** 9-1-99

TO:(New Operator) COASTAL OIL & GAS CORP
 Address: P. O. BOX 1148
VERNAL, UT 84078
 Phone: 1-(435)-781-7021
 Account No. N0230

FROM:(Old Operator) SANTA FE SNYDER CORP
 Address: 1625 BROADWAY SUITE 2200
DENVER, CO 80202
 Phone: 1-(303)-592-8668
 Account No. N2000

WELL(S):	CA No.	or	LOVE	Unit
Name: <u>LOVE UNIT 1-11</u>	API: <u>43-047-30617</u>	Entity: <u>1366</u>	S <u>11</u> T <u>11S</u> R <u>21E</u>	Lease: <u>U-08344A</u>
Name: <u>LOVE UNIT 1-12</u>	API: <u>43-047-30638</u>	Entity: <u>1366</u>	S <u>12</u> T <u>11S</u> R <u>21E</u>	Lease: <u>U-08344A</u>
Name: <u>LOVE UNIT 4-1</u>	API: <u>43-047-30640</u>	Entity: <u>1366</u>	S <u>4</u> T <u>11S</u> R <u>21E</u>	Lease: <u>U-8347</u>
Name: <u>LOVE UNIT A1-18</u>	API: <u>43-047-30706</u>	Entity: <u>1366</u>	S <u>18</u> T <u>11S</u> R <u>21E</u>	Lease: <u>U-8348</u>
Name: <u>LOVE UNIT B1-10</u>	API: <u>43-047-30709</u>	Entity: <u>1366</u>	S <u>10</u> T <u>11S</u> R <u>21E</u>	Lease: <u>U-8347</u>
Name: <u>LOVE UNIT B2-3</u>	API: <u>43-047-30766</u>	Entity: <u>1366</u>	S <u>3</u> T <u>11S</u> R <u>21E</u>	Lease: <u>U-8347</u>

OPERATOR CHANGE DOCUMENTATION

- YES 1. A pending operator change file has been set up.
- YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 9-2-99.
- YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 9-24-99.
- YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? Yes/No If yes, the company file number is 049324. If no, Division letter was mailed to the new operator on _____.
- YES 5. **Federal and Indian Lease Wells.** The BLM or the BIA has approved the merger, name change or **operator change** for all wells listed above involving Federal or Indian leases on 5-30-00.
- YES 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on 5-30-00.
- N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on _____.

N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 6-12-00.

YES 10. Changes have been included on the **Monthly Operator Change letter** on 6-12-00.

STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. _____.

FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.

N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on _____.

N/A 3. The **FORMER** operator has requested a release of liability from their bond as of today's date _____? If yes, Division response was made to this request by letter dated _____. (see bond file).

N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated _____, of their responsibility to notify all interest owners of this change.

N/A 5. Bond information added to **RBDMS** on _____.

N/A 6. Fee wells attached to bond in **RBDMS** on _____.

FILMING

_____ 1. All attachments to this form have been **microfilmed** on 3-26-01.

FILING

_____ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file**.

_____ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

COMMENTS

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE- Other Instructions on reverse side

1. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. U-8348
2. Name of Operator COASTAL OIL & GAS CORPORATION CONTACT: CHERYL CAMERON OPERATIONS EMAIL: Cheryl.Cameron@CoastalCorp.com	6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 1148 VERNAL, UT 84078	7. If Unit or CA Agreement, Name and No.
3b. Phone No. (include area code) TEL: 435.781.7023 EXT: FAX: 435.789.4436	8. Lease Name and Well No. LOVE UNIT #1-12
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T11S R21E 1610FSL 1230FWL	9. API Well No. 4304730638
	10. Field and Pool, or Exploratory WILDCAT
	11. County or Parish, State UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give the subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of involved operations. If the operation results in multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COASTAL OIL & GAS CORPORATION REQUESTS AUTHORIZATION TO RECOMPLETE FROM THE WASATCH & LOWER MESAVERDE. THE LOWER MESAVERDE WAS NOT COMPLETED WHEN THE WELL WAS DRILLED. THE MESAVERDE (6584'-6596') WAS ACIDIZED TWICE AND TESTED. THIS ZONE WAS TXA'D W/BP @6500'. THE LOWER MESAVERDE HAS NOT BEEN TESTED. THE PROPOSED PROCEDURE IS TO DRILL OUT THE BP @6500' & PERFORATE THE LOWER MESAVERDE (FROM 7888'-7902', & 7923'-7934').

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE

**Accepted by the
Utah Division of
Oil, Gas and Mining**

RECEIVED

APR 05 2001

Federal Approval Of This
Action Is Necessary

Date: 4/18/01

By: R. M. M. M. M. DIVISION OF OIL, GAS AND MINING

Name (Printed/Typed) Cheryl Cameron	Title Sr. Regulatory Analyst
Signature <i>Cheryl Cameron</i>	Date 3/30/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

ELECTRONIC SUBMISSION #3341 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR COASTAL OIL & GAS CORPORATION SENT TO THE VERNAL FIELD OFFICE



RECOMPLETE LOWER MESA VERDE

Love Unit #1-12
Love Field
NWSW Sec 12-T11S-R21E
Uintah County, Utah
March 21, 2001

WELL DATA:

TD: 8000 ft **PBTD:** 6500 ft

ELEVATION: 5642 ft GL 5657 ft KB

SURFACE CASING: 13 3/8", 54.5# @ 342 ft
Cement to surface

INTERMEDIATE CASING: 8 5/8", 24# K55 @ 2528 ft
350 sks Class H + 1/4 #/sk Celloflake + 2% CaCl₂

PRODUCTION CASING: 4 1/2", 11.6# f/ 6453 to 8000 ft
4 1/2", 10.5# f/ surface to 8000 ft
2100 sks 50/50 Poz + 2% gel + 10% salt + 1% CFR2 (assume
14.4 ppg, 1.29 cft/sk)
TOC @ +/- 3200 ft f/ CBL (4/20/80)

PRODUCTION TUBING: 2 3/8", 4.7 # J55 (run 5/16/80)

PACKER: Baker 4 1/2" A-2 Lok Set w/ on-off tool @ 6147 ft (run 5/16/80)

PERFORATIONS: **Mesa Verde:** 6584 to 6596 ft, 2 spf (PXA'd 5/7/80)
 Wasatch: 6240 to 6250 ft, 2 spf
 6256 to 6269 ft, 2 spf

CORRELATION LOG: Dresser Atlas CNL/FDC/GR, dated 4/15/80

RECOMMENDED PROCEDURE:

1. MIRU workover unit. Blow well down. ND well head and NU BOPs.
2. RU & pressure test tbg X csg annulus to 500 psi. If csg does not pressure test, contact Vernal Engineering for further instructions.
3. RU to unseat Baker A-2 Lok Set pkr @ 6147 ft. Unseat pkr and POOH laying down J55 tbg. PU 3 3/4" bit & 2 3/8" N80 work string. Drill out BP @ 6500 ft. RIH to PBTD @ 7955 ft. Circulate hole with 2% KCl wtr. Spot 300 gals 15% HCl (inhibited for 48 hrs) across perms. POOH and LD bit.
4. MIRU wireline company. Run a GR/CCL from PBTD to +/- 6200 ft. POOH. PU 3 1/8" hollow carrier perf gun loaded with 22.7 gram Prospector SDP charges (0.43" EH & 27" TTP). Perforate the Lower

Mesa Verde from 7888 to 7902 ft w/ 2 spf and 7923 to 7934 ft w/ 4 spf , 90 deg phasing. POOH. RD and release wireline company.

5. PU and RIH 2 3/8" X 4 1/2" Arrow Set 1X (10K) frac pkr. Set pkr @ +/- 7750 ft. Load backside with 2% KCl wtr. RU high pressure flowback line.
6. MIRU pumping company. Pump the following acid treatment: 5000 gals 15% HCl + additives + 150 ballsealers spaced throughout. RDMO pumping company.
7. Flow back acid to pit or flowback tank. Monitor spent acid, water & gas rates. Catch samples. Flow test well until advised by Vernal Engineering to proceed.
8. MIRU frac company. Frac the Lower Mesa Verde f/ 7888 to 7934 ft dn tbg X pkr using 870 bbls YF125LGD + 90,000 lbs 20/40 sd. Pump the fracture treatment @ +/- 12 bpm while monitoring fluid level on the backside. **Max treating pressure is 9000 psi.** Flush volume should be enough to clear pkr, but not over displace perms. RDMO frac company.

STAGE	GEL	CLEAN VOLUME (GAL)	CLEAN VOLUME (BBLs)	CUM. CLEAN (BBLs)	PROP (LBS)	CUM. PROP (LBS)	PROP TYPE
Pad	YF125LGD	7500	178	178	0	0	
1.0 ppa	YF125LGD	2000	50	228	2000	2000	20/40 sd
2.0 ppa	YF125LGD	5000	119	347	10000	12000	20/40 sd
3.0 ppa	YF125LGD	10000	238	585	30000	42000	20/40 sd
4.0 ppa	YF125LGD	9550	227	812	38200	80200	20/40 sd
4.0 ppa	YF125LGD	1200	29	841	4800	85000	20/40 sd + 10% PropNET
4.0 ppa	YF125LGD	1250	30	871	5000	90000	20/40 sd
Flush	Slick Wtr	1260	30	901	0	90000	

9. Start flow back immediately on 1/2" choke. Monitor water & gas rates. Catch samples of both. Flow test well until advised by Vernal Engineering to proceed. RDMO workover unit.
10. MIRU workover unit. Unseat pkr @ 7750 ft. POOH 2 3/8" work string and pkr. PU and RIH notch collar, SN, production pkr and 2 3/8", 4.7# J55 production tbg. Tag fill, circulate and clean out to PBTD, if necessary. Land tbg @ +/- 7800 ft. RDMO workover unit.
11. Flow well until gas meets pipeline spec. Turn well to sales.

SMS

Approvals:

Engineering Mgr: _____
 Tech Director: _____
 VP: _____

CHRONOLOGICAL HISTORY:

- 3/12/80 Spud well with 17½" bit.
- 3/15/80 TD @ 342 ft. RIH 13 3/8", 54.5# K55 csg to 342 ft. WOC. Drill ahead with 12 ¼" bit.
- 3/20/80 TD @ 2528 ft. RIH 8 5/8", 24# K55 csg to 2528 ft. Cmt w/ 350 sks Class H + ¼ #/sk Celloflake + 2% CaCl₂ cement. Drill ahead 7 7/8" bit.
- 4/15/80 TD @ 8000 ft. Circ & POOH for logs. Run DLL/SFL/GR & CNL/caliper.
- 4/16/80 RIH 4 ½", 11.6# K55 LT & 10.5# K55 ST&C csg to 8000 ft, top of 11.6# @ 6453 ft, 10.5# to surface. Cmt w/ 2100 sks 50/50 Poz + 2% gel + 10% salt + 1% CFR2 (assume 14.4 ppg, 1.29 cft/sk).
- 4/20/80 RIH w/ micro seismogram log. Approx TOC @ 4000 ft, ratty f/ 4000 to 3200 ft.
- 4/23/80 RIH 3 ¾" bit & 251 jts of 2 3/8", 4.7 K55 tbg. Tag fill @ 7880 tbg tally.
- 4/24/80 Rev circ to 7940 tbg tally, tag 7880 ft. No hard cmt. Circ to top of FC @ 7955 ft w/ 2% KCl. POOH to 6595 ft. PT csg to 3700 psi for 15 min, held ok. Pump & spot 150 gals 7 ½% acetic acid @ perf interval. POOH tbg. RIH & rerun bond log from TD to 7700 ft & 6800 to 6000 ft. POOH.
- 4/25/80 RIH & rerun bond log w/ 1000 psi on csg; pipe & fm bond improving. POOH. RU & RIH w/ 3 1/8" csg gun. Perf Mesa Verde f/ 6584 to 6596 ft, 12 ft w/ 26 holes. PU Baker ret pkr w/ 1.78" F nipple on btm of pkr. Set pkr @ 6230 ft, press annulus to 1000 psi, held ok.
- 4/27/80 Acidize Mesa Verde as follows: 20,000 scf N₂ pad + 4270 gals 15% HCl + 35 ball sealers. Ball out. ATP 4500 psi, MTP 5055 psi, ATR 3 bpm. Used 750 scf N₂ in flush. Open well to pit, rec acid & wtr @ end of job. Well died in 5 hrs.
- 4/28/80 RU swab. RIH & tag fluid @ 300 ft. Swab 5 hrs. Last run swab f/ pkr @ 6230 ft. Let set 30 min, RIH w/ no fluid entry. Caught 2 fluid samples to analyze. Samples had 4500 ppm FE.
- 4/29/80 Pull 2 swab runs. RD swab. RU to acidize Mesa Verde as follows: 20,000 scf N₂ pad + 2000 gals 7 ½% HCl 750 scf/bbl N₂ in acid and flush + 40 ball sealers. Saw some ball action when balls hit formation. ATP 4100 psi, MTP 4300 psi, ATR 3 bpm, ISIP 3300 psi. RU to flow to pit on ¾" choke for 4 hrs. Wtr depleted. RU & RIH temp log f/ 6800 to 6350 ft. SWI. Put thru sep @ 12:00 midnight. Flowed 3 hrs, ARO 100 MCFD, 2 BW. Last hr of flow, gas dropped to 0, no wtr.
- 4/30/80 Swab.
- 5/1/80 Swab.
- 5/2/80 RIH WL bombs. Hung @ 6590 ft.
- 5/6/80 POOH WL bombs, run press grad. Blow well to pits 1 hr. Swab, RIH & tag fluid @ 2400 ft. Swab for 3 hrs, well making ¾ to 1 BWPH.

Lower Mesa Verde Recompletion Procedure

- 5/7/80 RU & fill tbg w/ 2% KCl wtr, unseat pkr, POOH. RIH & set BP @ 6500 ft, dump 2 sks sd on top of BP. POOH. RIH w/ 3 1/8" perf gun. Perf f/ 6240 to 6250 ft and 6256 to 6269 ft, 2 spf. POOH. PU Baker 4 1/4" ret pkr. RIH pkr & 2 3/8" tbg. Pkr @ 6269 ft.
- 5/8/80 Spot 150 gals 15% HCl over perms @ 6240 to 6250 and 6256 to 6269 ft.. Pull & LD 10 jts tbg. Set pkr @ 5945 ft. Acidize Wasatch as follows: 20,000 scf N₂ pad + 5000 gals 15% HCl + 750 scf/bbl N₂ + 70 ball sealers spaced throughout. Did not ball out. ATP 4000 psi, MTP 4600 psi, ATR 3.5 bpm, ISIP 3300 psi. Open well to pit, flow 2 hrs, rec approx 50 BAW. Swab well in 6 runs. Well on 1/2" orifice. Flow overnight. ARO 231 MCFD, TP 150#, making light spray wtr.
- 5/9/80 Flowing through 2" orifice tester, approx 300 MCFD. Turn well to sep, flowing on 3/4" choke, ARO 352 MCFD, 1 BW, 0 BC, TP 190, Sep 180. Set pressure bombs.
- 5/13/80 POOH pressure bombs, pull pressure grad. Fill tbg and unseat pkr. POOH pkr & tbg, SD 3 times, well kicking, killed well 3 times.
- 5/14/80 Frac Wasatch as follows: 101,000 gals Apollo 40 + 103,350 lbs 20/40 sd, 1/4 ppa to 4 ppa sd conc. Screen out on 1 ppa, SD ~4 min, resume pumping 1 ppa and finish job. ATP 3700 psi, MTP 4250 psi, ATR 30 bpm, ISIP 2600 psi. Left well SI for 6 hrs, open to pit on 9/64" choke, increasing to 16/64" choke in 13 hrs. Rec ~ 500 BLW.
- 5/15/80 Flow up csg 23 hrs to pit, wtr depleted to very fine spray. Made 1099 MCFD.
- 5/16/80 Pump 100 bbls 9.5 ppg brine, well dead. PU Baker 4 1/2" A-2 Lok Set pkr w/ on-off tool and 1.87 ID profile nipple, 6 ft sub, 1.81 ID F nipple, 8 ft sub, 1.78 ID R nipple & pump-out valve. RIH 2 3/8", 4.7 # J55 tbg. Set pkr @ 6147 ft KB. Pump ball through check valve, let well set 1 hr, fluid started to surface, flowed 2 hrs to pit. Put on sep, flowed 14 hrs on 3/4" choke. ARO 2202 MCFD, 28 BW, 1 BC.
- 5/17/80 SWI. RIH pressure bombs, set @ 6250 ft. for PBU.
- 5/20/80 Pull bombs, install prod equip.
- 5/21/80 Flowing 1078 MCFD, 8 BC, 7 BW.
- 5/28/80 IP 1812 MCFD, 8 BC, 26 BW, TP 1500, 15 choke.
- 9/2/80 RIH bomb to 6254 ft.
- 11/19/81 RIH bomb to 6300 ft.

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Lone Unit 1-12

Suspense

Other

(Loc.) Sec 12 Twp 11S Rng 21E
(API No.) 43-047-30638

(Return Date) _____

(To-Initials) _____

1. Date of Phone Call: 5-24-01 Time: 10:30

2. DOGM Employee (name) J. Cordova (Initiated Call)

Talked to:

Name Phil Thomas (Initiated Call) - Phone No. (713) 418-4245
of (Company/Organization) Coastal / El Paso

3. Topic of Conversation: Int. Recomplete in lower msvd P2. (P649-33)
Need consent from other owners within 460'.
Well was previously permitted under Unit agreement.

4. Highlights of Conversation: _____

EOG won't consent.

Seeking interest from Stires (other interest owner).

Coastal / El Paso trying to buy out EOG & Stires
interests. If successful, will recomplete. If

unsuccessful will withdraw request to recomplete
or let approval dated 4-18-01 lapse.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER:
Exhibit "A"
9. API NUMBER:
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____
2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company
3. ADDRESS OF OPERATOR:
58 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL
FOOTAGES AT SURFACE: _____ COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.
See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President
SIGNATURE [Signature] DATE 06-15-01

El Paso Production Oil & Gas Company
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President
SIGNATURE [Signature] DATE 06-15-01

(This space for State use only)

RECEIVED
JUN 19 2001
DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 15 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall

David L. Siddall
Vice President

Attest:

Margaret E. Roark

Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

JUL 12 2001

**DIVISION OF
OIL, GAS AND MINING**

In Reply Refer To:
3106
UTSL-065841
(UT-924)

JUL 10 2001

NOTICE

El Paso Production Oil & Gas Company : Oil and Gas
Nine Greenway Plaza :
Houston TX 77046-0095 :

Name Change Recognized

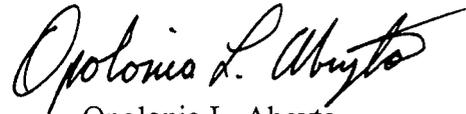
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta
Acting Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

Results of query for MMS Account Number 891018090A

Production	API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Quar
Production	4304730617	COASTAL OIL & GAS CORPORATION	1 LOVE UNIT	GSI PGW	UTU8344A	891018090A	11S	21E	11	NESW
Production	4304730638	COASTAL OIL & GAS CORPORATION	12-1 LOVE UNIT	PGW SGW	UTU8348	891018090A	11S	21E	12	NWSW
Production	4304730640	COASTAL OIL & GAS CORPORATION	4-1 LOVE UNIT	TA	UTU8347	891018090A	11S	21E	4	NWSW
Production	4304730706	COASTAL OIL & GAS CORPORATION	A1-18 LOVE UNIT	GSI	UTU8348	891018090A	11S	22E	18	SESW
Production	4304730709	COASTAL OIL & GAS CORPORATION	B1-10 LOVE UNIT	TA	UTU8347	891018090A	11S	21E	10	SESW
Production	4304730766	COASTAL OIL & GAS CORPORATION	B2-3 LOVE UNIT	TA	UTU8347	891018090A	11S	21E	3	SWSW

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

Love Unit

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

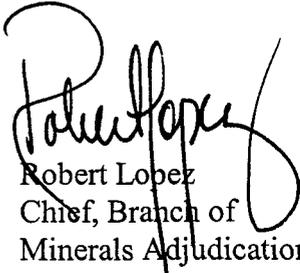
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.



CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:
Real Estate Services.

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Love Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Love Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Love Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Love Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Love Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

Results of query for MMS Account Number 891018090A

Production	API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Quarter	Field Name
Production	4304730617	EL PASO PROD OIL & GAS CO	1 LOVE UNIT	PGW	UTU8344A	891018090A	11S	21E	11	NESW	LOVE
Production	4304730638	EL PASO PROD OIL & GAS CO	12-1 LOVE UNIT	GSI	UTU8348	891018090A	11S	21E	12	NWSW	LOVE
Production	4304730640	EL PASO PROD OIL & GAS CO	4-1 LOVE UNIT	TA	UTU8347	891018090A	11S	21E	4	NWSW	LOVE
Production	4304730706	EL PASO PROD OIL & GAS CO	A1-18 LOVE UNIT	GSI	UTU8348	891018090A	11S	22E	18	SESW	LOVE
Production	4304730709	EL PASO PROD OIL & GAS CO	B1-10 LOVE UNIT	GSI	UTU8347	891018090A	11S	21E	10	SESW	LOVE
Production	4304730766	EL PASO PROD	B2-3 LOVE	TA	UTU8347	891018090A	11S	21E	3	SWSW	LOVE

		OIL & GAS CO	UNIT								
--	--	-----------------	------	--	--	--	--	--	--	--	--

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		8. WELL NAME and NUMBER: Exhibit "A"
3. ADDRESS OF OPERATOR: 9 Greenway Plaza CITY Houston STATE TX ZIP 77064-0995		9. API NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		10. FIELD AND POOL, OR WILDCAT:
5. PHONE NUMBER: (832) 676-5933		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

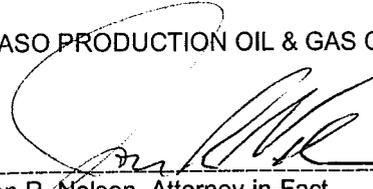
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____
State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By: 
Jon R. Nelsen, Attorney-in-Fact

RECEIVED
FEB 28 2003
DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.		TITLE
NAME (PLEASE PRINT) David R. Dix		Agent and Attorney-in-Fact
SIGNATURE 	DATE	12/17/02

(This space for State use only)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

9. API Well No.
SEE ATTACHED EXHIBIT "A"

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7023

10. Field and Pool, or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

11. County or Parish, State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other

**SUCCESSOR OF
OPERATOR**

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zc Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Signature

Date

March 4, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 03/07/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/07/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS: COMPLETE LIST OF WELLS INVOLVING OPERATOR CHANGE MAY BE FOUND IN THE OPERATOR CHANGE FILE.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.
MULTIPLE WELLS- SEE ATTACHED

9. API Well No.
MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area
LOVE UNIT

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)
435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
MULTIPLE WELLS- SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>VARIANCE</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III C. a. requiring each sales tank be equipped with a pressure- vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. To 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & Gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) DEBRA DOMENICI	Title ENVIRONMENTAL ASSISTANT
Signature <i>Debra Domenici</i>	Date July 9, 2004

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title Accepted by the _____ Date _____
Utah Division of
Oil, Gas and Mining

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001: make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

By: [Signature] Date: 7/15/04

Federal Approval of This Action is Necessary

RECEIVED

(Instructions on reverse)

COPY SENT TO OPERATOR
Date: 7-16-04
Initials: CHO

JUL 14 2004

Westport Oil & Gas, L.P.
Project Economics Worksheet

Instructions: Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name: **Condensate Shrinkage Economics**

Is this job a well pull or production rig job ??? N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before	After	Difference
Oil Production	0.192 BOPD	0.194 BOPD	0.002 BOPD
Gas Production	0 MCFPD	0 MCFPD	0 MCFPD
Wtr Production	0 BWPD	0 BWPD	0 BWPD
Horse Power	HP	HP	HP
Fuel Gas Burned	MCFPD	MCFPD	MCFPD

Project Life:
 Life = Years
 (Life no longer than 20 years)

Internal Rate of Return:
 After Tax IROR =

AT Cum Cashflow:
 Operating Cashflow = (Discounted @ 10%)

Payout Calculation:

Payout = $\frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$

Payout occurs when total AT cashflow equals investment
 See graph below, note years when cashflow reaches zero

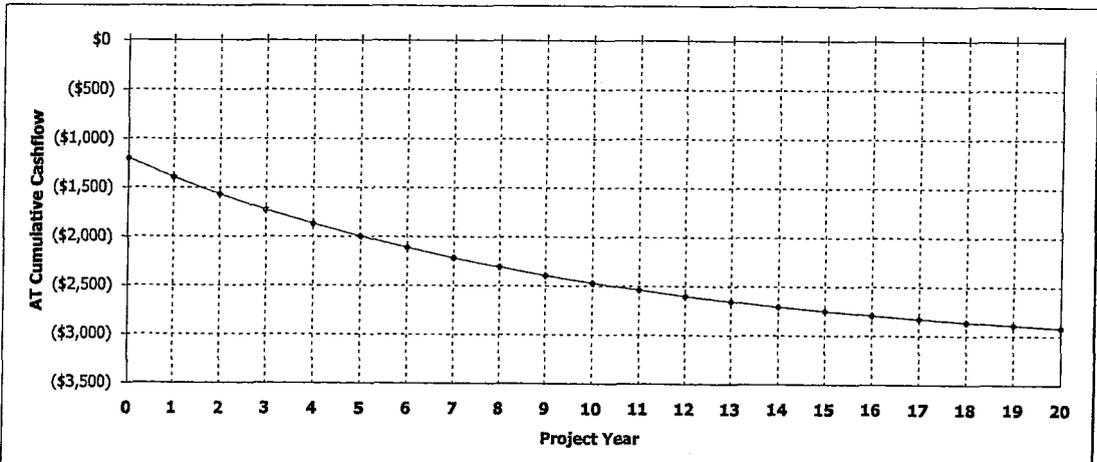
Payout = Years or Days

Gross Reserves:
 Oil Reserves = 6 BO
 Gas Reserves = 0 MCF
 Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 bcpd with no tank pressure. The production is increased to 0.196 bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.
NBU/Ouray Field
RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F	(A)			

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

ALL WELLS ROCKY MOUNTAIN GAS- LOVE UNIT
ENARDO VARIANCE

WELL	LEGALS	STF LEASE NO	CA NUMBER	API NO
LOVE UNIT 1-11	CSW SEC 11, T11S, R21E	UTU008344A	891018090A	4304730617
LOVE UNIT 1-12	NWSW SEC 12, T11S, R21E	UTU008344A	891018090A	4304730638
LOVE UNIT 4-01	NWSW SEC 4, T11S, R21E	UTU8347	891018090A	4304730640
LOVE UNIT A1-18	SESW SEC 18, T11S, R22E	UTU8348	891018090A	4304730706
LOVE UNIT B1-10	SESW SEC 10, T11S, R21E	UTU8347	891018090A	4304730709
LOVE UNIT B2-3	SWSW SEC 03, T11S, R21E	UTU8347	891018090A	4304730766

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		1/6/2006
FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	

WELL NAME	CA No.	Unit:	LOVE UNIT	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
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OPERATOR CHANGES DOCUMENTATION

- Enter date after each listed item is completed
- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
 - (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
 - The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
 - 4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
 - 4b. If **NO**, the operator was contacted on: _____
 - 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
 - 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
 - 5c. Reports current for Production/Disposition & Sundries on: ok
 - 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
 - 7. Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
 - 8. Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
 - 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/6/2006

FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	--

WELL NAME	CA No.			Unit:	LOVE UNIT			
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NATURAL 1-7	07	110S	210E	4304730148	6129	Federal	D	PA
LOVE UNIT 1	11	110S	210E	4304730617	1366	Federal	GW	S
LOVE UNIT 1-12	12	110S	210E	4304730638	1366	Federal	GW	S
LOVE UNIT 4-1	04	110S	210E	4304730640	1366	Federal	GW	P
LOVE UNIT A1-18	18	110S	220E	4304730706	1366	Federal	GW	S
LOVE UNIT B1-10	10	110S	210E	4304730709	1366	Federal	GW	PA
LOVE UNIT B2-3	03	110S	210E	4304730766	1366	Federal	GW	PA
LOVE U 1121-11K	11	110S	210E	4304735152	1366	Federal	GW	P
LOVE U 1121-10G	10	110S	210E	4304735557	1366	Federal	GW	P
LOVE UNIT 1122-18G	18	110S	220E	4304736131		Federal	GW	APD
LOVE 1121-14F	14	110S	210E	4304736671	1366	Federal	GW	P
LOVE UNIT 1121-11G	11	110S	210E	4304737555		Federal	GW	APD
LOVE U 1121-16A	16	110S	210E	4304735696	1366	State	GW	P

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5116106

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Title

DRILLING MANAGER

Signature

Randy Bayne

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Signature

Title

ENGINEERING SPECIALIST

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Office

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357
Rider #2 to Bond WY1865
Rider #3 to Bond WY1127



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

RECEIVED

MAR 28 2006

ENV. OF OIL, GAS & MINERALS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-8348

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UTU-63065A
LOVE UNIT

8. Well Name and No.
LOVE UNIT #1-12

9. API Well No.
4304730638

10. Field and Pool, or Exploratory Area
LOVE

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/SW SEC. 12, T11S, R21E 1610'FSL, 1230'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSED TO RECOMPLETE THE LOWER MESAVERDE INTERVALS EXCLUDED FROM THE ORIGINAL COMPLETION. ORIGINALLY THE WELL WAS DRILLED TO 8418' BUT ONLY COMPLETED IN THE UPPER MESAVERDE AND WASATCH FORMATIONS ABOVE 6596' ON 4/25/80.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

OP SENT TO OPERATOR
Date: 3-14-07
Initials: pm

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date February 12, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office Oil, Gas and Mining	

Accepted by the
Utah Division of
Oil, Gas and Mining
3/13/07

Federal Approval Of This
Action Is Necessary

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
FEB 20 2007

LOVE UNIT 1-12
1610' FSL & 1230' FWL
NWSW – Sec. 12 – T11S – R21E
Uintah County, UT

KBE:	5657'	API NUMBER:	43-047-30638
GLE:	5642'	LEASE NUMBER:	U-8348
TD:	8418'	WI:	85.94164%
PBTD:	7955' (FC)	NRI:	67.71901%
	6500' (CIBP)	ORRI:	0.0%
		UNIT/CA #:	

CASING: 17.5" hole
13.625" 54.5# K-55 @ 342'.
Cemented to surface with unknown cement.

12.25" hole
8.625" 24#, K-55 @ 2528'.
Cemented with 350 sx. Class H (403 cuft). TOC @ 1552' by calculation.

7.875" hole
4.5" 10.5# K-55 (0-6453') & 11.6# K-55 (6453-8000').
Cemented with 2100 sx. 50-50 Pozmix. TOC @ 4000' by CBL.

TUBING: Baker A-2 LokSet packer with on/off tool and R nipple on 2.375" 4.7# J-55 tubing landed at 6147'. See well file for details.

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
2.875" 6.5# N-80 tbg.	2.347	11160	10570	0.2433	0.03253	0.005794
4.5" 10.5# J/K-55 csg.	3.927	4010	4790	0.6698	0.0895	0.01594
4.5" 11.6# J/K-55 csg	3.875	4960	5350	0.6528	0.0872	0.01554
Annular Capacities						
2.375" tbg. X 4.5" 10.5# csg.				0.4397	0.0587	0.01046
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01006
2.875" tbg. X 4.5" 10.5# csg.						
2.875" tbg. X 4.5" 11.6# csg.						
4.5" csg. X 8.625" 24# csg.				1.8487	0.2471	0.04401
8.625" csg. X 13.375" 54.5# csg.				3.4566	0.4622	0.0823
4.5" csg. X 7.875" hole				1.7052	0.2278	0.0406
8.625" csg. X 12.25" hole				3.0870	.4127	0.0735

EXISTING PERFORATIONS:

Formation	Date	Top	Bottom	SPF	Status
Wasatch	5/7/1980	6240	6250	2	Open
Wasatch	5/7/1980	6256	6269	2	Open
Mesa Verde	4/25/1980	6584	6596	2	Excl. - CIBP

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	
Wasatch	
Mesa Verde	

Tech. Pub. #92 Base of USDW's

USDW Elevation	~2000' MSL
USDW Depth	~3657' KBE

WELL HISTORY:

Completion – May 1980

- TD'd on 4/17/1980.
- Perforated the **Mesa Verde** interval 6584-6596' and acidized with 4270 gal nitrified 15% HCl. Would not flow and had no fluid entry when swabbed. Acidized with 2000 gal. nitrified 7.5% HCl, then swabbed for three days with no significant gas or fluid entry.
- Set CIBP at 6500'. Perforated the gross **Wasatch** interval 6240' through 6269' and fractured with 101000 gal. gel containing 103350# 20/40 mesh sand.
- Cleaned out to PBTD and landed A-2 LokSet packer, on/off tool, R-nipple on 2.375" tubing at 6147'.
- Tested 13 BCPD, 1812 MCFD, 28 BWPD, 1500 psi FTP, 15/64th choke on 5/25/1980.

REMARKS:

- The Kmv interval that was perforated and acidized appears to have the log signature of the first big sand package we complete at the top of the Kmv. **The interval looks good and needs to be fractured.**

LOVE UNIT 1-12 RECOMPLETION PROCEDURE

GENERAL:

- A minimum of 7 tanks of fresh water will be required for the fracturing schedules. Note: Use biocide in tanks and the water needs to be at least 70° F at pump time.
- Perforation depths are from the Dresser Atlas Dual Laterolog dated April 15, 1980.
- **Perforation phasing:** 4 spf, 90 degrees.
- To frac down tubing, this procedure requires at least 222 joints (6660 ft) of 2-7/8" 6.5# P-110 (flush joint) tubing with a 2-3/8" 4.7# L-80 pup joint for fishing purposes.
- **3 fracturing stages** required for coverage of the Mesa Verde group only.
- Use 20/40 mesh sand with chemicals and gel loading as specified by service company.
- **Scale Inhibitor:** Nalco DVO-005, 10 gal/1000 in pre-pad/flush, 3 gal/1000 in pad and half of the ramp.
- **Pop-Offs:** Install pop-off valves on the surface/production casing annulus set at 1500 psi.
- **There is no flowback pit. Five flowback tanks will be required.**
- **Maximum surface pressure 11,600 psi.** This gives a 20% safety margin over the burst rating (14,530 psi) of the 2-7/8" 6.5# P-110 work string.
- The burst rating for 4-1/2" 11.6# K-55 casing has been de-rated for this operation by 20% from 5350 psi to 4280 psi. **This results in a maximum allowable BHTP 7160 psi at 6650' MD (just below the packer).**

PROCEDURE:

1. MIRU. Control well with 2% KCl and biocide as required. **BE SURE TO CIRCULATE BIOCIDES TO CONTROL POTENTIAL H₂S BEFORE PICKLING TUBING.** NDWH. NUBOP's and test.
2. Release packer and PU 2-3/8" 4.7# J-55 tubing landed at 6147'. RIH and tag for 4-1/2" CIBP at ~6500'. Broach tbg to SN, pickle then pressure test tbg. to 1000 psi. If tests O.K., POOH tallying and L/D. Otherwise inspect and L/D damaged jts of production tbg while POOH. Replace with new tubing as needed.
3. RIH w/ mill & 2-7/8" 6.5# P-110 (flush joint) work string to TPBTD at ~6500'. Drill out CIBP and clean out well to PBTd of 7955'. Use air foam unit if necessary to achieve adequate circulation. POOH w/ C-O assembly.
4. PU 10,000# differential packer dressed for 4-1/2", 11.6# K-55 casing, SN, and 2-7/8" 6.5# P-110 (flush joint) work string with 2-3/8" 4.7# L-80 pup joint. RIH to approximately 20' above top perf at 6220' MD. Set packer and pressure test casing annulus to 1000 psi for 10 minutes. If casing annulus integrity test fails, consult with engineering before proceeding further. If tests O.K., release packer and RIH to approximately 20' below the bottom perf at 6616' MD.
5. Set packer and pressure test casing through tubing to 1000 psi for 10 minutes. If casing integrity tests fails, consult with engineering. If tests O.K. POOH with 2-7/8" work string and packer assembly racking back. Proceed to perforate.

6. RU Cutters. RIH w/3-3/8" expendable gun, 23 gm, 0.35" hole and perforate the following:

7920-7934' 4 spf
7. POOH w/WL and PU 10,000# differential packer dressed for 4-1/2", 11.6# casing, SN, and 2-7/8" 6.5# P-110 work string with 2-3/8" pup joint. Set plug in SN and hydrotest tubing to proposed max. surface treating pressure of 11,000 psi while RIH. Set packer ±6650' MD and retrieve plug.
8. ND BOP's and NU wellhead. Install frac valves. RU Service Co. (test surface lines to max. treating pressure of 11,000 psi)
9. Set up annulus pump with 1000 psi pop-off valve and pump 2% KCl w/biocide down backside during job per instructions on site. Monitor annulus pressure during job.
Maximum Annulus Pressure is 1000 psi.
10. Install both a flow back line (without a choke in case of screen out) and a casing annulus flow back line to the flow back tank.
11. Breakdown perms and establish injection rate. Achieve highest pump rate possible while remaining comfortably below the casing burst rating underneath the packer of 7160 psi and the max. surface pressure of 11,000 psi (should be about 20 bpm). Fracture as outlined in Stage 1 on attached listing. **Under-displace to ~6749' and shut well in. It will take at least 60 minutes for a 461' sand plug to settle out above the top perf at 7920'. New plug back depth should be 7459' MD.**
12. After sand plug settles out, bleed-off any residual pressure on well and check for flow. If well flows, shut-in and consult with engineering. If well is dead, proceed to perforate next stage through tubing.
13. RU Cutters. RIH w/1-11/16" expendable gun, 16 gm, 0.25" hole and perforate the following:

7342-7359' 6 spf
14. POOH w/WL. ND BOP's and NU wellhead. Install frac valves. RU Service Co. (test surface lines to max. treating pressure of 11,000 psi)
15. Set up annulus pump with 1000 psi pop-off valve and pump 2% KCl w/biocide down backside during job per instructions on site. Monitor annulus pressure during job.
Maximum Annulus Pressure is 1000 psi.
16. Install both a flow back line (without a choke in case of screen out) and a casing annulus flow back line to the flow back tank.

17. Breakdown perfs and establish injection rate. Achieve highest pump rate possible while remaining comfortably below the casing burst rating underneath the packer of 7160 psi and the max. surface pressure of 11,000 psi (should be about 20 bpm). Fracture as outlined in Stage 2 on attached listing. **Under-displace to ~6814' and shut well in. It will take at least 45 minutes for a 150' sand plug to settle out above the top perf at 7342'. New plug back depth should be 7195' MD.**
18. After sand plug settles out, bleed-off any residual pressure on well and check for flow. If well flows, shut-in and consult with engineering. If well is dead, proceed to perforate next stage through tubing.
19. RU Cutters. RIH w/1-11/16" expendable gun, 16 gm, 0.25" hole and perforate the following:

6910-6925' 6 spf
20. POOH w/WL. ND BOP's and NU wellhead. Install frac valves. RU Service Co. (test surface lines to max. treating pressure of 11,000 psi)
21. Set up annulus pump with 1000 psi pop-off valve and pump 2% KCl w/biocide down backside during job per instructions on site. Monitor annulus pressure during job. **Maximum Annulus Pressure is 1000 psi.**
22. Install both a flow back line (without a choke in case of screen out) and a casing annulus flow back line to the flow back tank.
23. Breakdown perfs and establish injection rate. Achieve highest pump rate possible while remaining comfortably below the casing burst rating underneath the packer of 7160 psi and the max. surface pressure of 11,000 psi (should be about 20 bpm). Fracture as outlined in Stage 3 on attached listing. **Under-displace to ~6810.**
24. Kill well as necessary to POOH with work string. Release packer and POOH with 2-7/8" work string laying down.
25. TIH with 3 7/8" bit, pump off sub, SN and 2-3/8" J-55 tubing. Clean out well to PBTD at 7995' MD with air foam unit.
26. Land tubing at ~7250'. ND BOPE, NU WH. Drop ball and shear off bit.
27. RDMO

L. S. Ashcraft

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-8348

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
**UTU-63065A
LOVE UNIT**

8. Well Name and No.
LOVE UNIT #1-12

9. API Well No.
4304730638

10. Field and Pool, or Exploratory Area
LOVE

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/SW SEC. 12, T11S, R21E 1610'FSL, 1230'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION.
THE OPERATOR PROPOSES TO COMPLETE THE MESAVERDE FORMATIONS.
THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE WASATCH AND MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

COPY SENT TO OPERATOR
Date: **5.19.2008**
Initials: **KS**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature <i>[Signature]</i>	Date April 17, 2008

Approved by _____

Office: **Oil, Gas and Mining**

Date: **5/12/08**

By: *[Signature]*

THIS SPACE FOR FEDERAL USE

Federal Approval Of This Action Is Necessary

RECEIVED
APR 21 2008

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**NWSW – Sec. 12 – T11S – R21E
 Uintah County, UT**

KBE: 5657'
GLE: 5642'
TD: 8418'
PBTD: 7955' (FC)
 6500' (CIBP)

API NUMBER: 43-047-30638
LEASE NUMBER: U-8348
WI: 85.94164%
NRI: 67.71901%
ORRI: 0.0%
UNIT/CA #:

CASING: 17.5" hole
 13.625" 54.5# K-55 @ 342'.
 Cemented to surface with unknown cement.

12.25" hole
 8.625" 24#, K-55 @ 2528'
 Cemented with 350 sx. Class H (403 cuft). TOC @ 1552' by calculation.

7.875" hole
 4.5" 10.5# K-55 (0-6453') & 11.6# K-55 (6453-8000').
 Cemented with 2100 sx. 50-50 Pozmix. TOC @ 4000' by CBL.

TUBING: Baker A-2 LokSet packer with on/off tool and R nipple on 2.375" 4.7# J-55 tubing landed at 6147'. See well file for details.

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
2.875" 6.5# N-80 tbg.	2.347	11160	10570	0.2433	0.03253	0.005794
4.5" 10.5# J/K-55 csg.	3.927	4010	4790	0.6698	0.0895	0.01594
4.5" 11.6# J/K-55 csg.	3.875	4960	5350	0.6528	0.0872	0.01554
Annular Capacities						
2.375" tbg. X 4.5" 10.5# csg.				0.4397	0.0587	0.01046
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01006
2.875" tbg. X 4.5" 10.5# csg.						
2.875" tbg. X 4.5" 11.6# csg.						
4.5" csg. X 8.625" 24# csg.				1.8487	0.2471	0.04401
8.625" csg. X 13.375" 54.5# csg.				3.4566	0.4622	0.0823
4.5" csg. X 7.875" hole				1.7052	0.2278	0.0406
8.625" csg. X 12.25" hole				3.0870	.4127	0.0735

EXISTING PERFORATIONS:

Formation	Date	Top	Bottom	SPF	Status
Wasatch	5/7/1980	6240	6250	2	Open
Wasatch	5/7/1980	6256	6269	2	Open
Mesa Verde	4/25/1980	6584	6596	2	Excl. - CIBP

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	
Wasatch	
Mesa Verde	

Tech. Pub. #92 Base of USDW's

USDW Elevation	~2000' MSL
USDW Depth	~3657' KBE

WELL HISTORY:

Completion – May 1980

- TD'd on 4/17/1980.
- Perforated the **Mesa Verde** interval 6584-6596' and acidized with 4270 gal nitrified 15% HCl. Would not flow and had no fluid entry when swabbed. Acidized with 2000 gal. nitrified 7.5% HCl, then swabbed for three days with no significant gas or fluid entry.
- Set CIBP at 6500'. Perforated the gross **Wasatch** interval 6240' through 6269' and fractured with 101000 gal. gel containing 103350# 20/40 mesh sand.
- Cleaned out to PBTD and landed A-2 LokSet packer, on/off tool, R-nipple on 2.375" tubing at 6147'.
- Tested 13 BCPD, 1812 MCFD, 28 BWPD, 1500 psi FTP, 15/64th choke on 5/25/1980.

REMARKS:

- The Kmv interval that was previously perforated and acidized will be part of the 3rd stage of this frac.

LOVE UNIT 1-12 RECOMPLETION PROCEDURE

GENERAL:

- Perforation depths are from the Dresser Atlas Dual Laterolog dated April 15, 1980.
- To frac down tubing, this procedure requires at least 222 joints (6660 ft) of 2-7/8" 6.5# P-110 (flush joint) tubing with a 2-3/8" 4.7# L-80 pup joint for fishing purposes.
- **3 fracturing stages** required for coverage of the Mesa Verde group only.
- Use 20/40 mesh sand with chemicals and gel loading as specified by service company.
- **Pop-Offs:** Install pop-off valves on the surface/production casing annulus set at 1500 psi.
- **There is no flowback pit. Five flowback tanks will be required.**
- **Maximum surface pressure 11,600 psi.** This gives a 20% safety margin over the burst rating (14,530 psi) of the 2-7/8" 6.5# P-110 work string.
- The burst rating for 4-1/2" 11.6# K-55 casing has been de-rated for this operation by 20% from 5350 psi to 4280 psi. **This results in a maximum allowable BHTP 7160 psi at 6650' MD (just below the packer).**

PROCEDURE:

1. MIRU. Control well with 2% KCl and biocide as required. **BE SURE TO CIRCULATE BIOCIDES TO CONTROL POTENTIAL H₂S BEFORE PICKLING TUBING.** NDWH. NUBOP's and test.
2. Release packer and PU 2-3/8" 4.7# J-55 tubing landed at 6147'. RIH and tag for 4-1/2" CIBP at ~6500'. Broach tbg to SN, pickle then pressure test tbg. to 1000 psi. Fill backside and test to 500 psi. If both test O.K., POOH tallying and L/D. Otherwise inspect and L/D damaged jts of production tbg while POOH. Replace with new tubing as needed.
3. R/U air foam unit and RIH w/ mill & 2-7/8" 6.5# P-110 (flush joint) work string to TPBTD at ~6500'. Drill out CIBP and clean out well to PBTD of 7955'. Use air foam unit to achieve adequate circulation. POOH w/ C-O assembly.
4. PU 10,000# differential packer dressed for 4-1/2", 11.6# K-55 casing, SN, and 2-7/8" 6.5# P-110 (flush joint) work string with 3 joints of 2-3/8" 4.7# L-80 pipe. M/U an on-off tool at pipe x-over. RIH to approximately 20' above top perf at 6220' MD. Set packer, fill backside and pressure test casing annulus to 1000 psi for 10 minutes. If casing annulus integrity test fails, consult with engineering before proceeding further. If tests O.K., ensure backside is full and release packer and RIH to approximately 20' below the bottom perf at 6616' MD.
5. Set packer and pressure test casing through tubing to 1000 psi for 10 minutes. Ensure backside is filled with fluid. If casing integrity tests fails, consult with engineering. If tests O.K. POOH with 2-7/8" work string and packer assembly racking back. Proceed to perforate.
6. RU Cutters. RIH w/3-3/8" expendable gun, 23 gm, 0.35" hole and perforate the following:

7890'-7901' 3 spf (33 holes)

7. POOH w/WL. PU 10,000# differential packer dressed for 4-1/2", 11.6# casing, SN, and 2-7/8" 6.5# P-110 work string with 3 joints of 2-3/8" pipe. Set plug in SN and hydrotest tubing to proposed max. surface treating pressure of 11,000 psi while RIH. Set packer ±6600' MD and retrieve plug.
8. ND BOP's and NU wellhead. Install frac valves. RU Service Co. (test surface lines to max. treating pressure of 11,000 psi)
9. Set up annulus pump with 1000 psi pop-off valve and pump 2% KCl w/biocide down backside during job per instructions on site. Monitor annulus pressure during job. **Maximum Annulus Pressure is 1000 psi.**
10. Install both a flow back line (without a choke in case of screen out) and a casing annulus flow back line to the flow back tank.
11. Breakdown perfs and establish injection rate. Achieve highest pump rate possible while remaining comfortably below the casing burst rating underneath the packer of 7160 psi and the max. surface pressure of 11,000 psi (should be about 20 bpm). Fracture as outlined in Stage 1 on attached listing.
12. After sand plug settles out, bleed-off any residual pressure on well and check for flow. If well flows, shut-in and consult with engineering. If well is dead, proceed to perforate next stage through tubing.
13. RU Cutters. RIH w/1-11/16" expendable gun, 16 gm, 0.25" hole and perforate the following:

7342-7356' 6 spf

14. POOH w/WL. RU Service Co. and test surface lines to max. treating pressure of 11,000 psi.
15. Pump 2% KCl w/biocide down backside during job per instructions on site. Monitor annulus pressure during job. **Maximum Annulus Pressure is 1000 psi.**
16. Install both a flow back line (without a choke in case of screen out) and a casing annulus flow back line to the flow back tank.

17. Breakdown perfs and establish injection rate. Achieve highest pump rate possible while remaining comfortably below the casing burst rating underneath the packer of 7160 psi and the max. surface pressure of 11,000 psi (should be about 20 bpm). Fracture as outlined in Stage 2 on attached listing.
18. After sand plug settles out, bleed-off any residual pressure on well and check for flow. If well flows, shut-in and consult with engineering. If well is dead, proceed to perforate next stage through tubing.
19. Fill up backside to equalize pressure. Release packer, P/U workstring and set packer at 6400'.
20. RU Cutters. RIH w/1-11/16" expendable gun, 16 gm, 0.25" hole and perforate the following:

6646-6654' 3 spf (24 holes)
21. POOH w/WL. ND BOP's and NU wellhead. Install frac valves. RU Service Co. (test surface lines to max. treating pressure of 11,000 psi)
22. Set up annulus pump with 1000 psi pop-off valve and pump 2% KCl w/biocide down backside during job per instructions on site. Monitor annulus pressure during job.
Maximum Annulus Pressure is 1000 psi.
23. Install both a flow back line (without a choke in case of screen out) and a casing annulus flow back line to the flow back tank.
24. Breakdown perfs and establish injection rate. Achieve highest pump rate possible while remaining comfortably below the casing burst rating underneath the packer of 7160 psi and the max. surface pressure of 11,000 psi (should be about 20 bpm). Fracture as outlined in Stage 3 on attached listing.
25. Kill well as necessary to POOH with work string. Release packer and POOH with 2-7/8" work string laying down.
26. TIH with 3 7/8" bit, pump off sub, SN and 2-3/8" J-55 tubing. Clean out well to PBTD at 7995' MD with air foam unit.
27. Land tubing at ~7200'. ND BOPE, NU WH. Drop ball and shear off bit.
28. RDMO

Love Unit 1-12														
Fracturing Schedules														
Stage	Perfs		SPF	Holes	Event	Rate BPM	Volume		Cumulative Volume		% of Frac	Sand lb.	Cum Sand lb.	
	Top, ft	Bot., ft					gal.	bbl.	gal.	bbl.				
1	7890	7901	3	33	Pad	20	8250	196	8250	196	16%	0	0	
					3-3/8" Expendable Shot	Ramp (1-6 ppg)	20	41250	982	49500	1179	82%	100000	100000
					5 ppg Plug	20	546	13	50046	1192	1%	2184	102184	
					Flush	20	1683	40	51729	1232		0	102184	
2	7342	7356	2	28	Pad	20	3700	88	3700	88	19%	0	0	
					1-11/16" Expendable Shot	Ramp (1-6 ppg)	20	14850	354	18550	442	74%	45000	45000
					5 ppg Plug	20	1410	34	19960	475	7%	5640	50640	
					Flush	20	1725	41	21685	516		0	50640	
3	6646	6654	3	24	Pad	20	6200	148	6200	148	20%	0	0	
					1-11/16" Expendable Shot	Ramp (1-6 ppg)	20	24750	589	30950	737	80%	75000	75000
					Flush	20	1820	43	32770	780				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-8348

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
**UTU-63065X
LOVE UNIT**

8. Well Name and No.
LOVE UNIT 1-12

9. API Well No.
4304730638

10. Field and Pool, or Exploratory Area
UNDESIGNATED

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW/SW SEC. 12, T11S, R21E 1610'FSL, 1230'FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

COPY SENT TO OPERATOR
Date: 5.19.2008
Initials: KS

THE OPERATOR REQUESTS AUTHORIZATION TO PLACE THE SUBJECT WELL LOCATION ON TEMPORARILY ABANDONMENT STATUS. THE SUBJECT WELL LOCATION IS CURRENTLY BEING EVALUATED FOR PLUG AND ABANDONMENT STATUS.

RECEIVED
MAY 02 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature <i>[Handwritten Signature]</i>	Date April 25, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office REQUEST DENIED Utah Division of Oil, Gas and Mining	Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

By: *[Handwritten Signature]*
*Sec 12049-3-36

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-8344
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: LOVE
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: LOVE UNIT 1-12
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047306380000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1230 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 12 Township: 11.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: LOVE COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/13/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED BACK TO PRODUCTION ON 04/24/2009. THE WELL LOCATION IS CURRENTLY PRODUCING. PLEASE REFER TO THE ATTACHED PRODUCTION SHEET.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 13, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/13/2009	

Love Unit #1-12

API 4304730638

Lease# utn-8348

8/13/2009 10:10

	P.Volume	Energy	Avg DP	Avg SP	Avg TF	Flow Time
LOST_LOVE01_12	1068.857	1165.022	58.00473	272.5517	74.55105	0.4
8/13/2009	1032	1165	58	273	75	0
8/12/2009	1043	1125	53	282	81	0
8/11/2009	1036	1136	56	277	80	0
8/10/2009	1018	1130	55	280	77	0
8/9/2009	1073	1109	50	276	78	0
8/8/2009	1005	1169	58	277	76	0
8/7/2009	1039	1095	49	278	78	0
8/6/2009	1054	1133	50	282	79	0
8/5/2009	1040	1149	48	317	80	0
8/4/2009	990	1134	44	290	81	0
8/3/2009	981	1079	39	281	83	0
8/2/2009	1032	1069	38	286	84	0
8/1/2009	939	1124	42	287	83	0
7/31/2009	1010	1023	43	282	83	0
7/30/2009	984	1101	43	283	83	0
7/29/2009	1027	1073	39	284	84	0
7/28/2009	1038	1119	44	297	83	0
7/27/2009	1067	1131	41	318	82	0
7/26/2009	1044	1163	50	300	81	0
7/25/2009	1051	1138	46	312	83	0
7/24/2009	1095	1146	49	288	84	0
7/23/2009	1007	1194	47	297	83	0
7/22/2009	1109	1098	31	382	85	0
7/21/2009	807	1208	47	338	81	0
7/20/2009	1029	...	...	...	...	...
7/19/2009	1029	1122	41	303	83	0
7/18/2009	...	...	...	...	...	...
7/17/2009	1098	1092	38	332	83	0
7/16/2009	970	1197	45	326	81	0
7/15/2009	1152	1057	37	306	82	0
7/14/2009	985	1255	57	289	80	0
7/13/2009	1085	1073	39	291	82	0
7/12/2009	1025	1183	47	295	79	0
7/11/2009	1084	1118	41	309	82	0
7/10/2009	1101	1182	43	366	81	0
7/9/2009	1021	1200	45	322	81	0
7/8/2009	1131	1113	46	288	81	0
7/7/2009	1017	1233	54	295	80	0
7/6/2009	1112	1108	43	290	80	0
7/5/2009	1048	1212	54	282	79	0
7/4/2009	1132	1142	48	279	81	0
7/3/2009	1074	1233	54	289	78	0
7/2/2009	...	1171	48	285	80	0
7/1/2009	1087	1183	50	293	81	0
6/30/2009	1101	1185	45	309	81	0
6/29/2009	1103	1200	48	299	81	0
6/28/2009	...	1202	47	311	80	0
6/27/2009	1072	1192	49	302	76	0
6/26/2009	1076	1169	43	306	80	0

RECEIVED August 13, 2009

Love Unit # 1-12

6/25/2009	1091	1173	36	367	82	0
6/24/2009	1104	1189	46	307	81	0
6/23/2009	1060	1203	50	285	79	0
6/22/2009	1089	1155	45	276	77	0
6/21/2009	1106	1187	49	278	77	0
6/20/2009	1119	1206	51	288	77	0
6/19/2009	1122	1220	56	278	72	0
6/18/2009	1093	1223	56	277	74	0
6/17/2009	1103	1191	48	279	79	0
6/16/2009	1109	1202	52	269	79	0
6/15/2009	1114	1209	54	264	77	0
6/14/2009	1100	1214	54	265	78	0
6/13/2009	1117	1199	52	264	79	0
6/12/2009	1116	1218	44	325	76	0
6/11/2009	1125	1217	50	284	77	0
6/10/2009	1127	1226	51	285	78	0
6/9/2009	1138	1228	51	286	80	0
6/8/2009	1130	1240	52	282	78	0
6/7/2009	1153	1231	48	305	79	0
6/6/2009	1142	1257	54	285	78	0
6/5/2009	1151	1245	52	296	80	0
6/4/2009	1174	1255	56	293	78	0
6/3/2009	1137	1280	58	293	78	0
6/2/2009	1175	1239	50	314	78	0
6/1/2009	1171	1281	55	296	79	0
5/31/2009	1124	1276	55	301	79	0
5/30/2009	1136	1225	52	279	80	0
5/29/2009	1071	1238	53	281	80	0
5/28/2009	1056	1167	45	281	80	0
5/27/2009	1040	1151	44	278	79	0
5/26/2009	1026	1134	41	286	79	0
5/25/2009	1018	1118	39	294	78	0
5/24/2009	999	1109	39	290	78	0
5/23/2009	977	1089	35	320	79	0
5/22/2009	944	1065	35	304	79	0
5/21/2009	908	1029	33	294	80	0
5/20/2009	790	990	30	309	77	0
5/19/2009	594	861	24	328	81	0
5/18/2009	582	648	13	313	81	0
5/17/2009	574	634	12	311	79	0
5/16/2009	560	626	12	315	79	0
5/15/2009	0	610	18	312	78	0
5/14/2009	9	0	0	0	61	0
5/13/2009	445	10	7	303	86	0
5/12/2009	459	484	7	304	82	0
5/11/2009	475	500	8	301	78	0
5/10/2009	485	517	8	324	79	0
5/9/2009	498	528	9	302	77	0
5/8/2009	512	543	10	295	79	0
5/7/2009	526	558	10	301	80	0
5/6/2009	548	574	10	311	78	0
5/5/2009	572	597	11	315	77	0

Love Unit #1-12

5/4/2009	611	624	12	305	76	0
5/3/2009	597	666	13	307	74	0
5/2/2009	2442	650	14	308	73	0
5/1/2009	2377	2662	207	342	83	0
4/30/2009	2253	2591	187	341	86	0
4/29/2009	2111	2456	163	351	86	0
4/28/2009	1977	2295	144	339	89	0
4/27/2009	1578	2135	109	355	86	0
4/26/2009	1267	1704	78	350	81	0
4/25/2009	711	1369	52	325	94	0
4/24/2009 ...		768	18	326	90	0

Placed on production-

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-8344
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: LOVE
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: LOVE UNIT 1-12
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047306380000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1230 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 12 Township: 11.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: LOVE COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/31/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator will isolate existing Mesaverde perforations with a casing patch. This patch will be perforated and recompleat over the existing perforations. This procedure also includes abandoning of some of the existing Wasatch perforations with a casing patch. Please see the attached procedure. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 11/23/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/31/2011	

Greater Natural Buttes Unit



LOVE UNIT 1-12 RE-COMPLETIONS PROCEDURE

DATE:10/20/2011
AFE#:
API#:4304730638
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: LOVE UNIT 1-12**Location:** NW SW Sec 12 T11S R21E**LAT: 39.87234 LONG: -109.52032 COORDINATE: NAD27 (Surface Location)****Uintah County, UT****Date:** 10/20/2011**ELEVATIONS:** 5642' GL 5657' KB *Frac Registry TVD: 8418***TOTAL DEPTH:** 8418'**PBTD:** 7955'

CASING: 17.5" hole
 13.625" 54.5# K-55 @ 342'.
 Cemented to surface with unknown cement.

12.25" hole
 8.625" 24#, K-55 @ 2528'
 Cemented with 350 sx. Class H (403 cuft). TOC @ 1552' by calculation.

7.875" hole
 4.5" 10.5# K-55 (0-6453') & 11.6# K-55 (6453-8000').
 Cemented with 2100 sx. 50-50 Pozmix tail. TOC @ 4000' by CBL.

TUBING: Baker A-2 LokSet packer with on/off tool and R nipple on 2.375" 4.7# J-55 tubing landed at 6147'. See well file for details.

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
4.5" 10.5# J/K-55 csg.	3.927	4010	4790	0.6698	0.0895	0.01594
4.5" 11.6# J/K-55 csg	3.875	4960	5350	0.6528	0.0872	0.01554
Annular Capacities						
2.375" tbg. X 4.5" 10.5# csg.				0.4397	0.0587	0.01046
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01006
4.5" csg. X 8.625" 24# csg.				1.8487	0.2471	0.04401
8.625" csg. X 13.375" 54.5# csg.				3.4566	0.4622	0.0823
4.5" csg. X 7.875" hole				1.7052	0.2278	0.0406
8.625" csg. X 12.25" hole				3.0870	.4127	0.0735

TOPS:

900' Green River Top
 1164' Bird's Nest Top
 1471' Mahogany Top
 3943' Wasatch Top
 6563' Mesaverde Top
 *Based on latest geological interpretation

BOTTOMS:

6563' Wasatch Bottom
 8418' Mesaverde Bottom (TD)

T.O.C. @ 4000'

**Based on latest interpretation of CBL

GENERAL:

- A minimum of **15** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 4/15/1980
- **5** fracturing stages required for coverage.
- Procedure calls for **4** sand plugs to be pumped for isolation between stages .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **9000** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush.**
- Tubing Currently Landed @~6147.
 - **Baker A-2 LokSet packer with on/off tool and R nipple on 2.375" 4.7# J-55 tubing landed at 6147'. See well file for details.**
- Originally completed on 4/25/1980
- There is a CIBP @ 6500'
- **Note: Sand plug design will change each stage depending on top of sand**

Existing Perforations:

Formation	Date	Top	Bottom	SPF	Status
Wasatch	5/7/1980	6240	6250	2	Open
Wasatch	5/7/1980	6256	6269	2	Open
Mesa Verde	4/25/1980	6584	6596	2	Open

Relevant History:**Completion – May 1980**

- TD'd on 4/17/1980.
- Perforated the **Mesa Verde** interval 6584-6596' and acidized with 4270 gal nitrified 15% HCl. Would not flow and had no fluid entry when swabbed. Acidized with 2000 gal nitrified 7.5% HCl, then swabbed for three days with no significant gas or fluid entry.
- Set CIBP at 6500'. Perforated the gross **Wasatch** interval 6240' through 6269' and fractured with 101000 gal. gel containing 103350# 20/40 mesh sand.
- Cleaned out to PBDT and landed A-2 LokSet packer, on/off tool, R-nipple on 2.375" tubing at 6147'.
- Tested 13 BCPD, 1812 MCFD, 28 BWPD, 1500 psi FTP, 15/64th choke on 5/25/1980.

H₂S History:

No recorded H₂S history for this well.

PROCEDURE: (If using any chemicals for pickling tubing or H₂S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. Pull Baker A-2 LokSet packer with on/off tool and R nipple on 2.375" 4.7# J-55 tubing landed at **6147'**. Visually inspect for scale and consider replacing if needed.
3. Clean out wellbore. CIBP is set at 6500' and CBL depth was 7919', drill out **51'** of cement to **7970'**.
4. RIH and set 30' Weatherford casing patch over existing Mesaverde perforations from 6584-6596'.
5. RIH and set 60' Weatherford casing patch over existing Wasatch perforations from 6240-6269'. **These perforations will be abandoned.**
6. Pressure test casing patches and casing to 1000 and 2500 psi for 15 minutes each. RDMO
7. Run a CBL from surface to TD.
8. MIRU, RIH with packer and 2-7/8" L-80 frac string and set packer at ~5000 (depth may change depending on TOC from CBL)
9. RIH w/ 2 7/8" L-80 frac string with XO to 2 3/8" with 4" packer to ~5000 (depth may change depending on TOC from CBL). Set packer. Drop standing valve. Fill 4-1/2" x 2 7/8" annulus with fluid.
10. ND BOPs and NU frac valves. Test **frac valves and tubing** to 1000 and 3500 psi for 15 minutes each and to **9000 psi** for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as

necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
DO NOT PRESSURE TEST CASING OR FRAC STRING ABOVE 2500 PSI.

11. RIH wireline and POOH standing valve.
12. Perf the following with 1-9/16" RTG gun, 3.2 gm, 0.2" hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7897 | 7900 | 4 | 12 |
| MESAVERDE | 7927 | 7930 | 4 | 12 |
| MESAVERDE | 7952 | 7956 | 4 | 16 |
13. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Pump designed sand plug and trickle 250gal 15%HCL w/ scale inhibitor in flush.
14. Wait 2 hours for sand to settle out. RIH and tag top of sand plug at approx. 7750', note depth and change sand plug design based on sand top. Perf the following with 1-9/16" RTG gun, 3.2 gm, 0.2" hole if sand plug is covering all previous perforations:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7535 | 7537 | 4 | 8 |
| MESAVERDE | 7615 | 7617 | 4 | 8 |
| MESAVERDE | 7626 | 7628 | 4 | 8 |
| MESAVERDE | 7652 | 7656 | 4 | 16 |
- Note: If sand plug is NOT covering existing perfs, call completion engineer and DO NOT perf this stage.**
15. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Pump designed sand plug and trickle 250gal 15%HCL w/ scale inhibitor in flush.
16. Wait 2 hours for sand to settle out. RIH and tag top of sand plug at approx. 7450', note depth and change sand plug design based on sand top. Perf the following with 1-9/16" RTG gun, 3.2 gm, 0.2" hole if sand plug is covering all previous perforations:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 7132 | 7135 | 4 | 12 |
| MESAVERDE | 7346 | 7353 | 4 | 28 |
- Note: If sand plug is NOT covering existing perfs, call completion engineer and DO NOT perf this stage.**
17. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Pump designed sand plug and trickle 250gal 15%HCL w/ scale inhibitor in flush.
18. Wait 2 hours for sand to settle out. RIH and tag top of sand plug at approx. 7100', note depth and change sand plug design based on sand top. Perf the following with 1-9/16" RTG gun, 3.2 gm, 0.2" hole if sand plug is covering all previous perforations:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 6871 | 6876 | 4 | 20 |
| MESAVERDE | 6917 | 6922 | 4 | 20 |
- Note: If sand plug is NOT covering existing perfs, call completion engineer and DO NOT perf this stage.**

19. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Pump designed sand plug and trickle 250gal 15%HCL w/ scale inhibitor in flush.
20. Wait 2 hours for sand to settle out. RIH and tag top of sand plug at approx. 6820', note depth and change sand plug design based on sand top. Perf the following with 1-9/16" RTG gun, 3.2 gm, 0.2" hole if sand plug is covering all previous perforations:

Zone	From	To	spf	# of shots
MESAVERDE	6586	6596	4	40

**Will be perforating thru casing patch over existing Mesaverde perforations*

Note: If sand plug is NOT covering existing perfs, call completion engineer and DO NOT perf this stage.
21. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6586' and flush only with recycled water.
22. SI well
23. ND Frac Valves, MIRU snubbing unit, NU and Test BOPs.
24. POOH and laying down frac string.
25. TIH with 3 7/8" bit, pump off sub, SN and tubing
26. Drill out sand plugs and clean out to PBTD. Shear off bit and land tubing at $\pm 7505'$ unless indicated otherwise by the well's behavior.
27. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
28. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)**

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBL 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBL 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

Zachary Garrity: 406-781-6427, 720-929-6180

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Jordan Portillo: 435/781-9785, 435/828-6221

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Name Love 1-12 Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	7897	7900	4	12	7886	to	7910.5
	MESAVERDE	7927	7930	4	12	7914.5	to	7934
	MESAVERDE	7952	7956	4	16	7943	to	7964.5
	# of Perfs/stage				40	CBP DEPTH	7,750	
2	MESAVERDE	7535	7537	4	8	7520	to	7540
	MESAVERDE	7615	7617	4	8	7601	to	7633
	MESAVERDE	7626	7628	4	8	7601	to	7633
	MESAVERDE	7652	7656	4	16	7638.5	to	7678.5
	# of Perfs/stage				40	CBP DEPTH	7,450	
3	MESAVERDE	7132	7135	4	12	7129	to	7136.5
	MESAVERDE	7346	7353	4	28	7333	to	7360.5
	# of Perfs/stage				40	CBP DEPTH	7,100	
4	MESAVERDE	6871	6876	4	20	6865.5	to	6896.5
	MESAVERDE	6917	6922	4	20	6908.5	to	6929
	# of Perfs/stage				40	CBP DEPTH	6,820	
5	MESAVERDE	6586	6596	4	40	6564.5	to	6619.5
	# of Perfs/stage				40	CBP DEPTH	6,536	
	Totals				200			

Fracturing Schedules

Name Love 1-12 Recomplete

Slickwater Frac

Copy to new book

Recomplete?	Y
Pad?	N
ACTS?	N

Swabbing Days	3	Enter Number of swabbing days here for reCompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Md-Ft of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
			Top, ft	Bot, ft																		
1	MESAVERDE	0.3959	7897	7900	4	12	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.2763	7927	7930	4	12	0	ISIP and 5 min ISIP														19
	MESAVERDE	0.1451	7952	7956	4	16	30	Slickwater Pad			Slickwater	4,659	4,659	111	111	15.0%	0.0%	0	0		14	
	MESAVERDE	0.00					30	Slickwater Ramp	0.25	0.63	Slickwater	8,800	13,458	210	320	28.3%	21.9%	3,850	3,850		26	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	13,458	0	320	0.0%	0.0%	0	3,850		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.63	0.75	Slickwater	8,800	22,258	210	530	28.3%	34.4%	6,050	9,900		0	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	22,258	0	530	0.0%	0.0%	0	9,900		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.25	0.75	Slickwater	0	22,258	0	530	0.0%	0.0%	0	9,900		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.75	1	Slickwater	8,800	31,057	210	739	28.3%	43.8%	7,700	17,599		0	
	MESAVERDE	0.00					30	Sand Plug	3	3	Slickwater	687	31,744	16	756			2,061	19,660		7	
	MESAVERDE	0.00					Varied	Flush (4-1/2)				2,058	33,802	49	805				19,660		19	
	MESAVERDE	0.00						ISDP and 5 min ISDP													85	
	MESAVERDE	0.00									Sand laden Volume		31,057									
		0.82	# of Perfs/stage			40												gal/md-ft	38,000	12,113	lbs sand/md-ft	
						26.8	<< Above pump time (min)														147	
2	MESAVERDE	0.097	7535	7537	4	8	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.224	7615	7617	4	8	0	ISIP and 5 min ISIP														13
	MESAVERDE	0.224	7626	7628	4	8	30	Slickwater Pad			Slickwater	4,444	4,444	106	106	15.0%	0.0%	0	0		13	
	MESAVERDE	0.235	7652	7656	4	16	30	Slickwater Ramp	0.25	0.63	Slickwater	8,394	12,837	200	306	28.3%	21.9%	3,672	3,672		25	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	12,837	0	306	0.0%	0.0%	0	3,672		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.63	0.75	Slickwater	8,394	21,231	200	506	28.3%	34.4%	5,771	9,443		0	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	21,231	0	506	0.0%	0.0%	0	9,443		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.25	0.75	Slickwater	0	21,231	0	506	0.0%	0.0%	0	9,443		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.75	1	Slickwater	8,394	29,625	200	705	28.3%	43.8%	7,344	16,787		0	
	MESAVERDE	0.00					30	Sand Plug	3	3	Slickwater	934	30,559	22	728			2,802	19,589		9	
	MESAVERDE	0.00					Varied	Flush (4-1/2)				1,596	32,155	38	766				19,589		15	
	MESAVERDE	0.00						ISDP and 5 min ISDP													63	
	MESAVERDE	0.00									Sand laden Volume		29,625									
		0.78	# of Perfs/stage			40												gal/md-ft	38,000	21,533	lbs sand/md-ft	
						25.5	<< Above pump time (min)														85	
3	MESAVERDE	0.125	7132	7135	4	12	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.510	7346	7353	4	28	0	ISIP and 5 min ISIP														11
	MESAVERDE	0.00					30	Slickwater Pad			Slickwater	3,615	3,615	86	86	15.0%	0.0%	0	0		20	
	MESAVERDE	0.00					30	Slickwater Ramp	0.25	0.63	Slickwater	6,828	10,443	163	249	28.3%	21.9%	2,987	2,987		0	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	10,443	0	249	0.0%	0.0%	0	2,987		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.63	0.75	Slickwater	6,828	17,271	163	411	28.3%	34.4%	4,694	7,682		0	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	17,271	0	411	0.0%	0.0%	0	7,682		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.25	0.75	Slickwater	0	17,271	0	411	0.0%	0.0%	0	7,682		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.75	1	Slickwater	6,828	24,100	163	574	28.3%	43.8%	5,975	13,656		0	
	MESAVERDE	0.00					30	Sand Plug	3	3	Slickwater	1,090	25,190	26	600			3,270	16,926		11	
	MESAVERDE	0.00					Varied	Flush (4-1/2)				1,428	26,618	34	634				16,926		13	
	MESAVERDE	0.00						ISDP and 5 min ISDP													55	
	MESAVERDE	0.00									Sand laden Volume		24,100									
		0.63	# of Perfs/stage			40												gal/md-ft	38,000	21,533	lbs sand/md-ft	
						21.1	<< Above pump time (min)														32	
4	MESAVERDE	0.289	6871	6876	4	20	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.240	6917	6922	4	20	0	ISIP and 5 min ISIP														10
	MESAVERDE	0.00					30	Slickwater Pad			Slickwater	3,411	3,411	81	81	15.0%	0.0%	0	0		19	
	MESAVERDE	0.00					30	Slickwater Ramp	0.25	0.63	Slickwater	6,443	9,853	153	235	28.3%	21.9%	2,819	2,819		0	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	9,853	0	235	0.0%	0.0%	0	2,819		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.63	0.75	Slickwater	6,443	16,296	153	388	28.3%	34.4%	4,429	7,248		0	
	MESAVERDE	0.00					30	SW Sweep	0	0	Slickwater	0	16,296	0	388	0.0%	0.0%	0	7,248		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.25	0.75	Slickwater	0	16,296	0	388	0.0%	0.0%	0	7,248		0	
	MESAVERDE	0.00					30	Slickwater Ramp	0.75	1	Slickwater	6,443	22,738	153	541	28.3%	43.8%	5,637	12,885		0	
	MESAVERDE	0.00					30	Sand Plug	3	3	Slickwater	872	23,610	21	562			2,616	15,501		9	
	MESAVERDE	0.00					Varied	Flush (4-1/2)				1,722	25,332	41	603				15,501		15	
	MESAVERDE	0.00						ISDP and 5 min ISDP													54	
	MESAVERDE	0.00									Sand laden Volume		22,738									
		0.53	# of Perfs/stage			40												gal/md-ft	43,000	24,367	lbs sand/md-ft	
						20.1	<< Above pump time (min)														51	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: U-8344
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: LOVE
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: LOVE UNIT 1-12
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047306380000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: LOVE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1230 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 12 Township: 11.0S Range: 21.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/7/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Change Lease Number"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The operator requests to update the lease serial number to UTU-8348. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/7/2011

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
U-8348

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
LOVE

8. Lease Name and Well No.
LOVE UNIT 1-12

9. API Well No.
4304730638

10. Field and Pool or Exploratory
LOVE

11. Sec., T., R., M., on Block and Survey or Area
SEC 12, T11S, R21E SLB

12. County or Parish
UINTAH

13. State
UT

17. Elevations (DF, RKB, RT, GL)*
5657 RKB

1. a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr.,
 Other: RECOMPLETION

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE, L.P.

3. Address PO BOX 173779
DENVER, CO 80217

3a. Phone No. (include area code)
720-929-6000

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface NWSW 1610 FSL 1230 FWL S12,T 11S, R 21E
 At top prod. interval reported below
 At total depth

14. Date Spudded
03/12/1980

15. Date T.D. Reached
04/17/1980

16. Date Completed 06/20/2012
 D & A Ready to Prod.

18. Total Depth: MD 8000
TVD

19. Plug Back T.D.: MD 7955
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit report)
 Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
								1350	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7846							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6240	6269	6240-6269			CLOSED
B) MESAVERDE	7897	7956	7897-7956	0.36	40	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
7897-7956	PUMP 722 BBLS SLICK H2O & 17,223 LBS 30/50 OTTAWA SAND 1 STAGE

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/20/12	7/7/12	24	→	0	11	0			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	1010	1009	→	0	11	0		PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

RECEIVED
FEB 08 2013

DIV. OF OIL, GAS & MINING

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	900
				BIRD'S NEST	1164
				MAHOGANY	1471
				WASATCH	3943
				MESAVERDE	6563

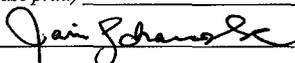
32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. Existing perforations from the original completion are as follows: Wasatch 6240-6269 & MV 6584-6596; these existing perforations were covered with casing patches and closed. The existing Mesaverde perms from 6584-6596 were milled out and are now open. New recompletion perforations are: Mesaverde 7897-7956. Production is from all open perms in the Mesaverde formation.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) JAIME SCHARNOWSKE Title REGULATORY ANALYST
 Signature  Date 2/5/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**US ROCKIES REGION
Operation Summary Report**

Well: LOVE UNIT 1-12		Spud Date:	
Project: UTAH-UINTAH		Site: LOVE UNIT 1-12	Rig Name No: GWS 1/1, SWABBCO 6/6, SWABBCO 6/6
Event: RECOMPL/RESEREVEADD		Start Date: 1/13/2012	End Date: 4/18/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: LOVE UNIT 1-12	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/13/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= DOWN HOLE TOOLS
	7:15 - 17:00	9.75	COMP	30		P		MOVE RIG & EQUIP FROM 1021-32A TO LOC SPOT RIG & PUMP RU RIG & RIG PUMP CONTROL TUBING W/ 25 BBLS TMAC ND WELLHEAD STRIP ON BOPS RU FLOOR & TUBING EQUIP TRY TO GET OFF ON/OFF TOOL NO LUCK WORK ON RELEASING PKR SEVERAL ATTEMPTS PKR RELEASES DROP 8' BELOW WHERE PKR WAS POOH W/ 196 JNTS 2-2/8" J-55 BKR ON OFF TOOL LOK-SET PKR 2 4' PUPS SIW SDFN
1/16/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= FOAMING
	7:15 - 18:00	10.75	COMP	30		P		SIWP= 0 PSI PU 3-7/8" BIT RIH TAG FILL @ 6287' RU PWR SWWL & FOAMER STARTED TO GET CIRC SURFACE FLOWING SHUT DOWN FOAMER COMM STOPED POOH W/ BIT PU PKR RIH ISOLATS LEAK @ 2877' TO 2907' POOH W/ PKR SIW SDFN
1/17/2012	7:00 - 7:15	0.25	COMP	48		P		JSA=
	7:15 - 17:00	9.75	COMP	30		P		SIWP= 0 PSI, RU W/L PU HALLI 8K CBP RIH SET @ 2950' POOH W/ W/L INJ 2 BPM @ 200# PU COMPOSITE CEM RET RIH ON W/L SET @ 2830' POOH W/L TEST TO 500# PU STINGER RIH TAG CCR @ 6861' STING INTO CR RU HALLIBURTON CEM TRK TEST LINES TO 3000# PRESS CSG TO 500# EST INJ RATE OF 2 BPM @ 700 PSI WITH RETURNS FROM SURFACE PIPE ALL THRU CEM JOB PUMP 10 BBLS FRESH AHEAD MIX & PUMP 375 SKS (77 BBLS SLURRY) DISPLACE W/ 10 BBLS STING OUT W/ 1 BBL CEM IN TUB, END PUMP PSI 1100# , SD PSI 600# ND HALLI POOH W/ STINGER SIW SDFN
1/18/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= DRILL CEM
	7:15 - 17:00	9.75	COMP	30		P		SIWP= 0 PSI PU 3-7/8" BIT RIH TAG TOC @ 2226' RU PWR SWWL DRILL CEM TO 2784' TOTAL FOR DAY 558' 18 JNTS W/ 77' TO CEM RET & 166' TO CBP CIRC CLEAN POOH 1 JNT DRAIN EQUIP SIW SDFN
1/19/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= RU PWR SWWL
	7:15 - 17:00	9.75	COMP	30		P		SIWP= 0PSI RU SWWL & PUMP RIH 1 JNT EST CIRC CONTINUE TO D/O CEM TO 2911' TEST SQUEEZE TO 2000# LOST 50# MIN CONTINUE TO DRILL CEM & CBP @ 2950' CIRC CLEAN RD PWR SWWL POOH W/ BIT PU NEW 3-7/8" BIT RIH TAG FILL @ 6287' RU PWR SWWL PREP TO DRILL & C/O IN AM SIW SDFN
1/20/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= FOAM UNIT SAFETY
	7:15 - 18:00	10.75	COMP	30		P		SIWP= 0 PSI PU RIH W/ 2 JNTS RU FOAM UNIT EST CIRC FILL @ 6287' C/O & DRILL TO CIBP @ 6508' DRILL THRU PLUG CIRC CLEAN CONTINUE TO RIH TAG FILL @ 7930' EST CIRC C/O & DRILL TO 7962' CIRC CLEAN POOH LD 55 JNTS TO 6227' SIW SDFW

**US ROCKIES REGION
Operation Summary Report**

Well: LOVE UNIT 1-12

Spud Date:

Project: UTAH-UIINTAH

Site: LOVE UNIT 1-12

Rig Name No: GWS 1/1, SWABBCO 6/6,
SWABBCO 6/6

Event: RECOMPL/RESEREVEADD

Start Date: 1/13/2012

End Date: 4/18/2012

Active Datum: RKB @0.00usft (above Mean Sea Level)

UWM: LOVE UNIT 1-12

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
1/23/2012	7:00 - 10:00	3.00	COMP	30		P		SIWP= 1000# OPEN WELL TO FBT WELL BLEED TO 0 PSI ND BOPS NU WELLHEAD RDMO TO NBU 921-15N PAD
2/2/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= WELL CONTROL
	7:15 - 18:00	10.75	COMP	30		P		SIWP= 1000# OPEN WELL TO PROD TANK RU RIG NU RIG PUMP ND WELLHEAD STRIP ON BOPS FILL HOLE W/ TMAC RU FLOOR & TUBING EQUIP POOH W/ TUBING LD BHA RD FLOOR & TUBING EQUIP ND BOPS DIG & JACK HAMMER THRU 5' SOLID ROCK TO BOTTOM OF SURFACE HEAD 18" SOLID ROCK CLEAN OFF 23" CONDUCTOR C/O REPLACE TUBING HEAD PREP TO CUT OFF WELLHEAD & REPACE SIW SDFN
2/3/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= WELL CONTROL
	7:15 - 22:00	14.75	COMP	30		P		SIWP= 200 PSI OPEN WELL FILL W/ TMAC ND WELLHEAD WEATHERFORD WELLHEAD DECIDES THAT AFTER CUTING OLD WELLHEAD OFF MASTER VALVE WILL BE BELOW GROUND LEVEL RUN IN GET STUB MACHINED WELD ON STUB TRY TO INSTALL SURFACE HEAD NEW STUB EGGED HEAD WONT GO ON CALL OUT WIRELINE CREW SET CBP @ 4800' TO CONTROL WELL SDFN
2/4/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= WORKING W/ WELDER
	7:15 - 19:00	11.75	COMP	30		P		CUT STUB OFF SURFACE PREP INSTALL NEW STUB & WELD ONTO SURFACE INSTALL CASING HEAD SET SLIPS PREP 4-1/2 CSG INSTALL TUB HEAD SET SLIPS NU HEAD & BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" BIT RIH TAG CBP @ 4803 CONTINUE TO RIH TO 6700' POOH W/ 170 JNTS WELL WOULDNT STOP FLOWING RIH TO 3800' SIW SDFN
2/6/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= WELL CONTROL
	7:15 - 17:00	9.75	COMP	30		P		SIWP= 200# OPEN WELL TO FBT POOH W/ BIT RU W/L PU BAKER 8K CBP RIH CORRELATE TO OLD LOG SET CBP @ 6656' POOH PU CBL RIH LOG FROM 6200' TO 900' EST TOC @ 1350' POOH RD W/L PU SCRAPER ASSM RIH TAG CBP CORR TUBING PUH ROTATE THRU PERFS PUH ABOVE PERFS SIW SDFN
2/7/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= RUNNING PATCH
	7:15 - 17:00	9.75	COMP	30		P		SIWP= 400 PSI OPEN WELL TO FBT POOH W/ SCRAPER ASSM LD BHA PU 24' SALTEL INT CSG PATCH RIH 1 STAND PER MIN FILLING TUBING EVERY 3 STANDS TAG CBP PUH 54.5' TOP OF PATCH @ 6577' PRESS TEST & START SETTING PROC @ 5400 PSI PRESS DROPED TO 0 INSTANTLY B/O PUMP LINE PULL OUT OF PATCH STAND BACK 20 STANDS ALL PULLED DRY SIW SDFN POOH TOMORROW FIND PROBLEM
2/8/2012	7:00 - 7:15	0.25	COMP	48		P		JSA=TRIP TUBING W/ PATCH

**US ROCKIES REGION
Operation Summary Report**

Well: LOVE UNIT 1-12		Spud Date:	
Project: UTAH-UINTAH		Site: LOVE UNIT 1-12	Rig Name No: GWS 1/1, SWABBCO 6/6, SWABBCO 6/6
Event: RECOMPL/RESEREVEADD		Start Date: 1/13/2012	End Date: 4/18/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: LOVE UNIT 1-12	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 18:30	11.25	COMP	30		P		SIWP = 240 PSI ON CSG 0 PSI ON TUBING. OPEN WELL TO FBT TO RELIEVE PRESS CONTINUE TO POOH W/ SETTING EQUIP TO HOLE IN TUBING @ 2239' SWAP OUT BAD JNT TEST SETTING EQUIP RIH TO PATCH FILLING TUBING SET UP TO SET PATCH TUBING BURST AGAIN @ 5000 PSI PULLOUT OF PATCH W/ SETTING EQUIP CALL OUT EMPTY TUBING FLOAT START LAYING DOWN TUBING SIW SDFN
2/9/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= WORKING ON TUBING TRAILER
	7:15 - 21:00	13.75	COMP	30		P		SIWP= 200 PSI OPEN WELL TO FBT CONTINUE TO POOH W/ OLD TUBING FOUND HOLE @ 1067' FROM BTM LD & TEST SETTING RIH W/ SETTING EQUIP TALLY & FILLING TUBING TAG TOP OF PATCH TEST TUBING CONTINUE TO SET PATCH 16 SETTINGS RUN THRU PATCH W/ NPOGO TO CHECK ID POOH 3 STANDS SIW SDFN
2/10/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= PULLING WET TUBING
	7:15 - 18:30	11.25	COMP	30		P		SIWP= 0 PSI POOH W/ SETTING EQUIP LD BHA TEST & PU 2ND PATCH RIH FILLING TUBING TAG CBP PUH TO PERFS GET 5 SETTINGS PULL OUT OF PATCH DRAIN 2 JNTS RUN BACK IN PREP TO FINISH IN AM SIW SDFN
2/11/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= SETTING PATCH
	7:15 - 17:00	9.75	COMP	30		P		SIWP= 0 PSI CONTINUE TO SET 2ND PATCH 18 SETTINGS COMPLETE SETTING ND PRESS EQUIP POOH W/ SETTING ASSM LD BHA SIW SDFW
2/12/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= DRILLING PLUGS
	7:15 - 17:00	9.75	COMP	30		P		SIWP= 0 PSI PU 3-5/8 BIT RIH BUMP TOP OF 1ST PATCH @ 6222' RIH BUMP 2ND PATCH @ 6575' RIH TAG CBP @ 6656' DRILL THRU CBP CONTINUE TO RIH TAG FILL @ 7925' C/O DRILL TO 7970' CIRC CLEAN RD SWWL POOH LD 64 JNTS STAND BACK 188 JNTS LD BIT CHANGE PIPE RAMS SIW SDFN
2/14/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= RUNNING PKR
	7:15 - 20:00	12.75	COMP	30		P		SIWP= 0 PSI PU WEATHERFORD HD PKR 2.31 XN NPL TALLEY & PU 159 JNTS 2-7/8" L-80 SLIM HOLE TUBING RIH PU 1 JNT W/ REGULAR COLLAR & 10' PUP SET PKR @ 4988' RU SLICKLINE RIH W/ 2.31 PLUG SET IN NPL RU TESTERS TEST TUBING UP TO 9000# RD TESTER RIH PULL PLUG SIW SDFN
2/15/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= SLICKLINE
	7:15 - 18:00	10.75	COMP	30		P		SIWP= 0 PSI, RU SLICKLINE RIH W/ HYD BAILER POOH RIH PULL PLUG REDRESS RIH HUNG UP 4000' POOH REDRESS RIH TO XN POOH TEST TO 9000# MIRU CASED HOLE SOLUTIONS PREP TO FRAC IN AM SIW SDFN
2/16/2012	7:00 - 7:15	0.25	COMP	48		P		JSA= FRAC SAFETY

US ROCKIES REGION
Operation Summary Report

Well: LOVE UNIT 1-12		Spud Date:	
Project: UTAH-UINTAH		Site: LOVE UNIT 1-12	Rig Name No: GWS 1/1, SWABBCO 6/6, SWABBCO 6/6
Event: RECOMPL/RESEREVEADD		Start Date: 1/13/2012	End Date: 4/18/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: LOVE UNIT 1-12	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 21:00	13.75	COMP	30		P		<p>MIRU CASED HOLE SOLUTIONS & SUPERIOR FRAC EQUIP PRESS TEST TO 9000#</p> <p>STAGE #1] PU RIH PERF MESA VERDE USING 1-9/16" RTG GUN, 3.2 GM, 0.2" HOLE. 7952'-7956', 4 SPF, 90° PH, 16 HOLES 7927'-7930', 4 SPF, 90° PH, 12 HOLES 7897'-7900', 4 SPF, 90° PH, 12 HOLES = 40 HOLES</p> <p>WHP=500# , BREAK DWN PERF @ 4681# , INJ RT=25.2 , INJ PSI=6673# , ISIP=179# , FG=.46 ,MAX PSI=7846# , MAX RT=33.1 , AP= 6892# , AR=27.3 , FG=.73 , ISIP=2323# , NPI=2144# , PUMPED722 BBLs SLICK WTR, W/17233 # 30/50 MESH W/ # SAND PLUG WAIT 2 HRS F/ SAND TO SETTLE, PU 1-9/16" PERF GUN RIH TAG @ 6577' TAG 4 TIMES GUN STCK ON 4TH TRY PULL FREE @ 2500# POOH RU SUPERIOR PUMP 26 BBLs CAUGHT PRESS PUMP 50 BBLs MORE PRESS UP TO 1600 PSI @ 5 BPM SD SUPERIOR CALL OUT JARS F/ W/L RIH TAG @ 6577' POOH RD W/L SIW SDFN</p> <p>TOTAL SAND PUMPED: 17,223# TOTAL FLUID PUMPED: 722 BBLs JSA= PULLING TOOLS</p> <p>SIWP= 500 PSI OPEN WELL TO FBT RU & PUMP 20 BBLs TMAC DWN TUBING B/O FRAC VALVE MO FRAC EQUIP MI TUBING FLOAT RELEASE PKR POOH LD 2-7/8" TUBING PU NOTCHED 1.87XN RIH LAND TUBING W/ 188 JNTS NEW 2-3/8" L-80 EOT @ 5982.71' SIW SDFW</p> <p>TUBING DETAIL</p> <p>K.B.....15.00 HANGER.....1.00 188 JNTS 2-3/8 L-80.....5965.66 1.87XN.....1.05</p> <p>EOT=.....5982.71 HSM, SLIPS, TRIPS & FALLS, TRIPPING</p> <p>SIC&TP 1,000 PSI, MIRU, HOOKUP HARD LINE FROM PUMP & TO FBT, BLEED WELL DOWN, PUMP 20 BBLs TMAC DOWN TBG, ND WH, NU BOP, RU FLOOR & TBG EQUIP, PUMP 20 BBLs DOWN CSG, UNLAND TBG & POOH, PU 3 5/8" BIT & BIT SUB, 1.875" XN S/N, RIH TBG WENT SLOWTHRU 1ST PATCH @ 6,230' DIDNT SEE NOTHING, SLOWLY TAGGED 2ND PATCH @ 6,577', RU P/S BREAK CONVENTIONAL CIRC, MILLING ON TOP OF PATCH FROM 6,577' TO 6,578', SWI, SDFN. HSM, SLIPS, TRIPS & FALLS, D/O PATCH</p>
2/17/2012	7:00 - 7:15	0.25	COMP	48		P		
	7:15 - 17:00	9.75	COMP	30		P		
4/17/2012	7:00 - 7:15	0.25	COMP	48		P		
	7:15 - 17:00	9.75	COMP	31	I	P		
4/18/2012	7:00 - 7:15	0.25	COMP	48		P		

US ROCKIES REGION
Operation Summary Report

Well: LOVE UNIT 1-12 Spud Date:

Project: UTAH-UINTAH Site: LOVE UNIT 1-12 Rig Name No: GWS 1/1, SWABBCO 6/6,
SWABBCO 6/6

Event: RECOMPL/RESEREVEADD Start Date: 1/13/2012 End Date: 4/18/2012

Active Datum: RKB @0.00usft (above Mean Sea Level) UWI: LOVE UNIT 1-12

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:00	9.75	COMP	44	D	P		<p>SICP 0 PSI, SITP 300 PSI, MIRU WEATHERFORD AIR FOAM UNIT, BREAK CIRC W/ AIR FOAM, CONTINUE DRLG ON COLLAPSED PATCH FROM 6,578' TO 6,579' ACTS LIKE PATCH IS JUST ROLLING OVER & BALLING UP, ENGINEERING DECIDED TO P&A WELL, KILL AIR FOAM W/ TMAC, RD AIR FOAM UNIT, RD P/S, L/D 66 JTS, POOH L/D BIT & BIT SUB, RIH W/ 1.875" XN S/N & 142 JTS L-80 TBG, LAND TBG @ 4,522.82', RD FLOOR & TBG EQUIP, ND BOP, NU WH, RD HARD LINES, RD & ROAD RIG TO BON 1023-8A PAD, SDFN.</p> <p>KB= 15' 7 1/16" WEATHERFORD HANGER= .83' SENT 46 JTS L-80 TO SAMUELS YARD 142 JTS 2 3/8" L-80 = 4,505.66' 1.875" XN S/N= 1.33' EOT @ 4,522.82'</p>

**US ROCKIES REGION
Operation Summary Report**

Well: LOVE UNIT 1-12		Spud Date:	
Project: UTAH-UINTAH		Site: LOVE UNIT 1-12	Rig Name No: MONUMENT/698
Event: RECOMPL/RESEREVEADD		Start Date: 6/8/2012	End Date: 6/13/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: LOVE UNIT 1-12	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/8/2012	7:00 - 10:00	3.00	COMP	30	G	P		ROAD RIG F/ LOVE 1121-8H TO LOVE UNIT 1-12
	10:00 - 10:30	0.50	COMP	48		P		HSM, REVIEW RIGGING UP.
	10:30 - 12:30	2.00	MIRU	30	A	P		SPOT RIG, MIRU.
	12:30 - 17:00	4.50	MIRU	31	I	P		SICP.800 PSI. SITP. 500 PSI. BLEW TBG DWN, CONTROL TBG W/ 15 BBLS, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG HANGER, POOH 142 JTS. 2-3/8 L-80 TBG, SWI, SDFWE.
6/11/2012	7:00 - 7:30	0.50	COMP	48		P		HSM, REVIEW TRIPPING TBG.
	7:30 - 11:00	3.50	COMP	31	I	P		SICP. 500 PSI. BLEW CSG DWN, CONTROL CSG W/ 20 BBLS, PU 3.5 TAPERED MILL & RIH 208 JTS. 2-3/8 L-80 TBG, TAG COLLAPSED PATCH @ 6580'
	11:00 - 11:20	0.33	COMP	47	A	P		NU PWR SWWL, INSTALL TSF.
	11:20 - 12:00	0.67	COMP	31	H	P		RU TECH FOAM, EST CIRC IN 30 MINS.
	12:00 - 17:00	5.00	COMP	44	D	P		BEGAN MILLING ON COLLAPSED CSG PATCH @ 6580' TO 6594', (14') CIRC WELL CLEAN, SWI, SDFN.
6/12/2012	7:00 - 7:30	0.50	COMP	48		P		HSM, REVIEW D/O CSG PATCH
	7:30 - 8:00	0.50	COMP	31	H	P		SICP. 700 PSI. EST CIRC IN 30 MINS.
	8:00 - 10:45	2.75	COMP	44	D	P		.D/O COLLAPSED CSG PATCH @ 6594' TO 6609' (15') FELL THROUGH, CRIC WELL CLEAN, LD PWR SWWL, KILL TBG, REMOVE TSF
	10:45 - 12:00	1.25	COMP	31	I	P		PU & RIH TALLY TBG F/ TRAILER, TAG @ 7925', RU PWR SWWL, INSTALL TSF.
	12:00 - 12:30	0.50	COMP	31	H	P		EST CIRC IN 30 MINS
	12:30 - 13:50	1.33	COMP	44	D	P		C/O F/ 7925' TO 7960', PBTD, CIRC WELL CLEAN, ND PWR SWWL.
	13:50 - 17:00	3.17	COMP	31	I	P		POOH & LD 4 JTS. ON TRAILER, KILL TBG, REMOVE TSF, POOH 247 JTS. 2-3/8 L-80 TBG, LD TAPERED MILL & BIT SUB, PU 1.875 XN NOTCH & RIH 55 JTS. 2-3/8 L-80 TBG, EOT @ 1745', SWI, SDFN.
	6/13/2012	7:00 - 7:30	0.50	COMP	48		P		HMS, REVIEW RIH TBG, BROACH TBG.

**US ROCKIES REGION
Operation Summary Report**

Well: LOVE UNIT 1-12		Spud Date:	
Project: UTAH-UINTAH		Site: LOVE UNIT 1-12	Rig Name No: MONUMENT/698
Event: RECOMPL/RESEREVEADD		Start Date: 6/8/2012	End Date: 6/13/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: LOVE UNIT 1-12	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 17:00	9.50	COMP	31	I	P		<p>SICP.500 PSI. SITP. 100 PSI.BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, FINISH RIH 127 JTS. 2-3/8 L-80 TBG, RU SWAB EQUIPMENT, RIH W/ 1.9 BROACH & BROACH TBG TO XN @ 4025', POOH & LD SWAB EQUIPMENT, RIH 120 JTS. 2-3/8 L-80 TBG, LAND TBG HANGER, RU SWAB EQUIPMENT, RIH W/ 1.9 BROACH & BROACH TBG TO 3900', POOH, LD SWAB EQUIPMENT, RU FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, CLEAN LOCATION, RDMO. MOVE RIG TO NBU 922-360.</p> <p align="center">TBG DETAIL:</p> <p>KB-----15' WEATHERFORD HANGER-----1.0' 247 JTS, 2-3/8 L-80 TBG @-----7829.02' 1.875 XN NOTCH -----1.05' EOT @-----7846.07'</p> <p>WLTR. 177 BBLS. TOP PERF @ 6240' BTM PERF @ 7955' PBTD @ 7960' NWSW SEC.12-11S-21E LAT: 39.87234 LONG: 109.52032 API# 43-047-30638 Well- Love Unit 1-12 Operator- BJ W. Foreman- - Jerry Date- 6/18/12 BCP- 540 BTP- 20 BFL- 2000 ECP- 480 ETP- 0 EFL- 3200 Runs- 17 BBLS- 105 Cost- \$2,380</p>
6/18/2012	7:00 -		PROD	42				<p>Well- Love Unit 1-12 Operator- BJ W. Foreman- - Jerry Date- 6/18/12 BCP- 540 BTP- 20 BFL- 2000 ECP- 480 ETP- 0 EFL- 3200 Runs- 17 BBLS- 105 Cost- \$2,380</p>
6/19/2012	7:00 -		PROD	42				<p>Well- Love Unit 1-12 BSICP- 600 BSITP- 60 BFL- 2500 ESICP- 600 ESITP- 0 EFL- 3400 Runs- 20 BBLS Rec.- 120 Summary- 6/19/12</p> <p align="right">COSTS- 2380</p>

US ROCKIES REGION
Operation Summary Report

Well: LOVE UNIT 1-12		Spud Date:	
Project: UTAH-UJINTAH	Site: LOVE UNIT 1-12	Rig Name No: MONUMENT/698	
Event: RECOMPL/RESERVEADD	Start Date: 6/8/2012	End Date: 6/13/2012	
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: LOVE UNIT 1-12	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/20/2012	7:00 -		PROD	42				Well- Love Unit 1-12 Operator- BJ W. Foreman- Jerry Date- 6/20/12 BCP- 720 BTP- 60 BFL- 2800 ECP- 720 ETP- 0 EFL- 3700 Runs- 20 BBLS- 105 Cost- \$2,380
7/12/2012	7:00 -		PROD	42				Well- Love Unit 1-12 Operator- Chris P. Foreman- Jerry Date- 7/12/12 BCP- 1055 BTP- 1055 BFL- 3700 ECP- 1000 ETP- 0 EFL- 4200 Runs- 10 BBLS- 75 Cost- \$1,975
7/13/2012	7:00 -		PROD	42				Well- Love Unit 1-12 Operator- Chris P. Foreman- Jerry Date- 7/13/12 BCP- 1039 BTP- 100 BFL- 3500 ECP- 930 ETP- 0 EFL- 4500 Runs- 10 BBLS- 90 Cost- \$1,985
7/16/2012	7:00 -		PROD	42				Well- Love Unit 1-12 Operator- Chris P. Foreman- Jerry Date- 7/16/12 BCP- 1049 BTP- 1048 BFL- 3700 ECP- 1010 ETP- 0 EFL- 4200 Runs- 12 BBLS- 95 Cost- \$1,975

US ROCKIES REGION
Operation Summary Report

Well: LOVE UNIT 1-12		Spud Date:	
Project: UTAH-UINTAH		Site: LOVE UNIT 1-12	Rig Name No: MONUMENT/698
Event: RECOMPL/RESEREVEADD		Start Date: 6/8/2012	End Date: 6/13/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: LOVE UNIT 1-12	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
7/17/2012	7:00 -		PROD	42				Well- Love Unit 1-12 Operator- Chris P. Foreman- Jerry Date- 7/17/12 BCP- 1035 BTP- 234 BFL- 3500 ECP- 1002 ETP- 0 EFL- 4700 Runs- 12 BBLS- 95 Cost- \$1,975

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	LOVE UNIT 1-12	Wellbore No.	OH
Well Name	LOVE UNIT 1-12	Wellbore Name	LOVE UNIT 1-12
Report No.	1	Report Date	2/9/2012
Project	UTAH-UINTAH	Site	LOVE UNIT 1-12
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	6/8/2012	End Date	6/13/2012
Spud Date		Active Datum	RKB @0.00usft (above Mean Sea Level)
UWI	LOVE UNIT 1-12		

1.3 General

Contractor	SUPERIOR	Job Method	PERFORATE	Supervisor	JEFF SAMUELS
Perforated Assembly		Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type	KCL WATER	Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	7,897.0 (usft)-7,956.0 (usft)	Start Date/Time	2/9/2012 12:00AM
No. of Intervals	3	End Date/Time	2/9/2012 12:00AM
Total Shots	40	Net Perforation Interval	10.00 (usft)
Avg Shot Density	4.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

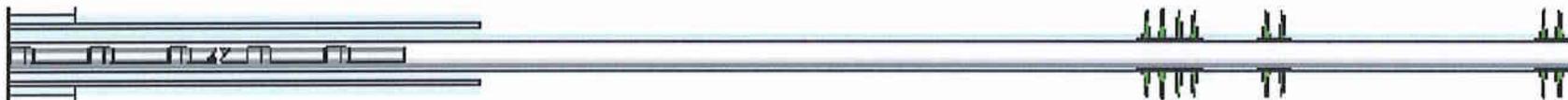
Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
	MESAVERDE/			7,897.0	7,900.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
	MESAVERDE/			7,927.0	7,930.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
2/9/2012 12:00AM	MESAVERDE/			7,952.0	7,956.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-8348
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: LOVE
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: LOVE UNIT 1-12
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047306380000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1230 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 12 Township: 11.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: 100VExt COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/11/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO PLUG AND ABANDON THE SUBJECT WELL LOCATION. ATTACHED TO THIS SUNDRY NOTICE IS THE PLUG AND ABANDONMENT PROCEDURE. THANK YOU.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining**
 August 28, 2014

Date: _____
 By: David K. Quist

NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 8/11/2014	

LOVE UNIT 1-12
1230' FWL & 1610' FSL
NWSW SEC. 12, T11S, R21E
Uintah County, UT

KBE:	5657'	API NUMBER:	4304730638
GLE:	5642'	LEASE NUMBER:	UTU-08348
TD:	8000'	LAT/LONG:	39.872447/-109.520776
PBTD:	6500'		

CASING : 12 ¼" hole
8.625" 24# K-55 @ 2528'
Cmt w/ 350 sx class H

7.875" hole
4.5" 11.6# K-55 @ 8000'
TOC @ ~1350' per CBL (2/6/12)

PERFORATIONS: Wasatch 6240' - 6250'
6256' - 6269'
Mesaverde 6584' - 6596'

TUBING: 2 3/8" 4.7# L-80 tbg at 7846', per recompletion report dated 6/13/12.

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft	Cuft/ft.	Bbl./ft.
2.375" 4.7# L-80 tbg.	1.901	11780	11200	0.162	0.02171	0.00387
4.5" 10.5# K-55	3.833	5720		0.67	0.0895	0.0159
8.625" 24# K-55	8.097	1370	2950	2.675	0.3537	0.0636
Annular Capacities						
2.3/8" tbg. X 4 ½" csg				0.423	0.0565	0.01
4.5" csg X 8 5/8" 24# csg				1.849	0.2471	0.044
4.5" csg X 7.7/8 borehole				1.704	0.2278	0.0406
8.5/8" csg X 12 1/4" borehole				3.087	0.4127	0.0735

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	899'
Birds Nest	1162'
Mahogany	1448'
Parachute	2350'
Wasatch	3943'
Mesaverde	6563'

Tech. Pub. #92 Base of USDW's

USDW Elevation	~2313' MSL
USDW Depth	~3344' KBE

LOVE UNIT 1-12 PLUG & ABANDONMENT PROCEDURE

GENERAL

- H₂S MAY BE PRESENT. CHECK FOR H₂S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY APPROPRIATE AGENCY 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

PROCEDURE

Note: Approx. 432 sx Class "G" cement needed for procedure & (1) 4.5" CIBP

Note: No gyro survey on record for this wellbore.

1. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
2. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
3. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE WASATCH/MESAVERDE PERFORATIONS (6240' – 6596'):** RIH W/ 4 ½" CIBP. SET @ ~6190'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. RELEASE CIBP, PUH 10', BRK CIRC W/ TREATED FRESH WATER. DISPLACE A MINIMUM OF 8.95 CUFT / 1.6 BBL / ~7.82 SX ON TOP OF PLUG. PUH ABOVE TOC (~6090'). REVERSE CIRCULATE W/ TREATED WATER (~31.6 BBLS).
5. **PLUG #2, PROTECT TOP OF WASATCH (3943'):** PUH TO ~4050'. BRK CIRC W/ FRESH WATER. DISPLACE 18.8 CUFT / 3.4 BBL / ~16.4 SX AND BALANCE PLUG W/ TOC @ ~3840' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (~6.1 BBLS).
6. **PLUG #3, PROTECT BASE OF USDW (3344'):** PUH TO ~3450'. BRK CIRC W/ FRESH WATER. DISPLACE 19.7 CUFT / 3.5 BBL / ~17.2 SX AND BALANCE PLUG W/ TOC @ ~3230' (220' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (~12.1 BBLS).
7. **PLUG #4, PROTECT PARACHUTE (2350'):** PUH TO ~2450'. BRK CIRC W/ FRESH WATER. DISPLACE 17.9 CUFT / 3.2 BBL / ~15.7 SX AND BALANCE PLUG W/ TOC @ ~2250' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (~10.9 BBLS).
8. **PLUG #5, PROTECT TOP OF MAHOGANY (1448'), TOP OF BIRD'S NEST (~1162') & TOP OF GREEN RIVER (899'):** PUH TO ~1550'. BRK CIRC W/ FRESH WATER. DISPLACE 68.0 CUFT / 12.1 BBL / ~59.5 SX AND BALANCE PLUG W/ TOC @ ~790' (760' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER (~12.3 BBLS).
9. **PLUG #6, FILL SURFACE HOLE & ANNULUS:** POOH. HOOK UP 1" PIPE AND PUMP 360.4 CUFT / 64.2 BBL / ~314.8 SX OR SUFFICIENT VOLUME TO FILL 4 ½" CASING F/ 300' TO SURFACE AND 4.5" X 8.625" ANNULUS F/ 1350' TO SURFACE.
10. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
11. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

MJD 7/30/2014



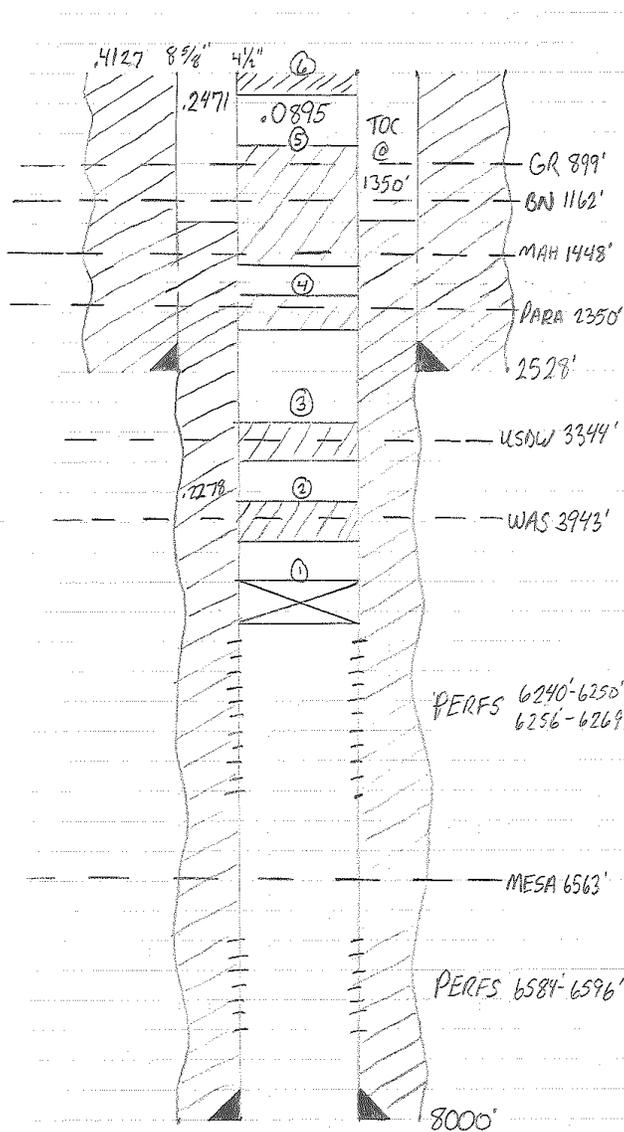
APC 206 2/01

PROJECT COMPUTATIONS

NO. _____ OF _____ SHEETS

DATE _____ PROJECT Love Unit 1-12 JOB NO. _____

BY _____ CHK.: _____ SUBJECT _____



- ① CTRP @ 6190'
CMT to 6090'
 $(6190 - 6090)(0.0895) = 8.95 \text{ ft}^3 = 7.82 \text{ sacks}$
- ② CMT 3840'-4050'
 $(4050 - 3840)(0.0895) = 18.795 \text{ ft}^3 = 16.4 \text{ sacks}$
- ③ CMT 3230'-3450'
 $(3450 - 3230)(0.0895) = 19.69 \text{ ft}^3 = 17.2 \text{ sacks}$
- ④ CMT 2250'-2450'
 $(2450 - 2250)(0.0895) = 17.9 \text{ ft}^3 = 15.7 \text{ sacks}$
- ⑤ CMT 790'-1550'
 $(1550 - 790)(0.0895) = 68.02 \text{ ft}^3 = 59.5 \text{ sacks}$
- ⑥ CMT surface - 300'
 $(300)(0.0895) = 26.85 \text{ ft}^3$
CMT surface - 1350'
 $(1350)(0.2471) = 333.59 \text{ ft}^3$
Total #6 = $360.44 \text{ ft}^3 = 314.8 \text{ sacks}$

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-8348
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	7. UNIT or CA AGREEMENT NAME: LOVE
PHONE NUMBER: 720 929-6100	8. WELL NAME and NUMBER: LOVE UNIT 1-12
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1230 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 12 Township: 11.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047306380000
	9. FIELD and POOL or WILDCAT: LOVExt
	COUNTY: UINTAH
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/29/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Love Unit 1-12 well was returned to production on 8/29/2015.
 Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 03, 2015

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 9/2/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-8348
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	7. UNIT or CA AGREEMENT NAME: LOVE
PHONE NUMBER: 720 929-6500 ext	8. WELL NAME and NUMBER: LOVE UNIT 1-12
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1610 FSL 1230 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 12 Township: 11.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047306380000
	9. FIELD and POOL or WILDCAT: LOVE
	COUNTY: UINTAH
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/28/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the LOVE UNIT 1-12 well. Please see the attached operations summary report for details. Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 January 06, 2016

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 1/4/2016	

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: LOVE UNIT 1-12					Spud date:			
Project: UTAH-UINTAH			Site: LOVE UNIT 1-12			Rig name no.: WESTERN WELL SERVICES 9/9		
Event: ABANDONMENT			Start date: 11/30/2015		End date: 12/28/2015			
Active datum: RKB @0.00usft (above Mean Sea Level)				UWI: LOVE UNIT 1-12				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
12/18/2015	12:00 - 17:00	5.00	ABANDP	30	A	P		ROAD RIG FROM LOVE 1121-16B TO LOVE UNIT 1-12, MIRU, SDFWE
12/21/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM, JSA
	7:15 - 8:30	1.25	ABANDP	30	F	P		200# SICP, CONTROL WELL W/ 30 BBLS T-MAC, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP
	8:30 - 12:30	4.00	ABANDP	31	I	P		MIRU SCAN TECH, TOO & SCAN 2-3/8" TBG, SCAN SHOWED 225 YELLOW JTS, 17 BLUE JTS & 5 RED JTS, TBG HAD EXTERNAL SCALE ON BTM 18 JTS, RD SCAN TECH
	12:30 - 15:00	2.50	ABANDP	34	I	P		MIRU CUTTERS WIRELINE, RIH W/ GAUGE RING TO 6200', POOH W/ GAUGE, RIH & SET CIBP @ 6190', POOH & RD CUTTERS
	15:00 - 17:30	2.50	ABANDP	31	I	P		P/U 2-3/8" TBG & TIH W/ 162 JTS, EOT @ 5148', SWI, DRAIN PUMP & LINES, SDFN
12/22/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM, JSA
	7:15 - 8:00	0.75	ABANDP	31	I	P		P/U TBG & TIH TO CIBP @ 6190'
	8:00 - 16:30	8.50	ABANDP	51	D	P		CIRC CSG W/ 60 BBLS T-MAC & PRESSURE TEST CSG TO 500#, CSG WOULD NOT HOLD PRESSURE, STARE FRESH WTR, MIX & PUMP 10 SX @ 15.8PPG, DISPLACE W/ T-MAC, PUH TO 4050', MIX & PUMP 20 SX @ 15.8PPG, DISPLACE W/ T-MAC, TOO & LD 7 JTS TBG, STAND BACK 10 STANDS IN DERRICK, WAIT FOR CEMENT TO SET UP TO TAG AS PER BLM REQUEST, TAG CMT TOP @ 3860', PUH TO 3450', PRESSURE TEST CSG TO 500#, CSG WOULD NOT HOLD PRESSURE, STARE FRESH WTR, MIX & PUMP 20 SX @ 15.8PPG, DISPLACE W/ T-MAC, TOO & LD 8 JTS TBG, REVERSE CIRC CMT OUT OF TBG, STAND BACK 5 STANDS IN DERRICK, SWI, SDFN
12/23/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM, JSA
	7:15 - 13:30	6.25	ABANDP	51	D	P		TIH W/ TBG & TAG BALANCE PLUG @ 3223', PUH TO 2450', PRESSURE TEST CSG TO 500# CSG WOULD NOT HOLD PRESSURE, STARE FRESH WTR, MIX & PUMP 20 SX @ 15.8PPG, DISPLACE W/ T-MAC, TOO & LD 8 JTS TBG, REVERSE CIRC CMT OUT OF TBG, STAND BACK 5 STANDS IN DERRICK, WAIT FOR CEMENT TO SET UP TO TAG AS PER BLM REQUEST, TIH TO 2450', NO TAG, PRESSURE TEST CSG TO 500#, TEST GOOD, MIX & PUMP 20 SX @ 15.8PPG, DISPLACE W/ T-MAC, PUH TO 1550', MIX & PUMP 60 SX @ 15.8PPG, DISPLACE W/ T-MAC, TOO & LD TBG
	13:30 - 14:00	0.50	ABANDP	34	H	P		RU CUTTERS WIRELINE, RIH & PERF CSG @ 400', POOH & RD CUTTERS
	14:00 - 14:30	0.50	ABANDP	30	C	P		ND BOP'S, NU WH
	14:30 - 15:30	1.00	ABANDP	51	D	P		MIX & PUMP 190 SX CMT DN 4-1/2 CSG & GET RETURNS UP 8-5/8" CSG, SWI, SDFWE
12/28/2015	7:00 - 10:00	3.00	ABANDP	53	A	P		DIG AROUND WELLHEAD & CUT WELLHEAD OFF
	10:00 - 11:00	1.00	ABANDP	51	D	P		MIX & PUMP 60SX CMT @ 15.8PPG TO FILL CSG TO SURFACE

US ROCKIES REGION
Operation Summary Report

Well: LOVE UNIT 1-12				Spud date:				
Project: UTAH-UINTAH			Site: LOVE UNIT 1-12			Rig name no.: WESTERN WELL SERVICES 9/9		
Event: ABANDONMENT			Start date: 11/30/2015		End date: 12/28/2015			
Active datum: RKB @0.00usft (above Mean Sea Level)				UWI: LOVE UNIT 1-12				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	11:00 - 12:00	1.00	ABANDP	53	A	P		WELD ON MARKER PLATE & BACKFILL LAT: 39.87234 LONG: 109.52032